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MOAB UTAH

UMTRA Project

April 2006 Water Sampling

Validation Data Package for Performance Assessment of the Monthly Sampling for the Ground Water Interim Action Moab, Utah

August 2006

U.S. Department of Energy

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April 2006 Water Sampling

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Moab, Utah

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Data Package Contents

This data package includes the following information:

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Sampling Event Summary

Site: Moab, Utah

Sampling Period: April 3–24, 2006

The purpose of this sampling was to collect data that can be used to evaluate the performance of all configurations of the Interim Action well field. This report is a compilation of all sampling activities conducted during the month of April.

Executive Summary

Time versus concentration graphs for selected key performance indicator wells and major contaminants of concern are included. Data presented in these graphs indicate that contaminant concentrations remain at expected levels. Ammonia and uranium concentrations have generally stabilized, and only a few wells show a notable change from the March 2006 and earlier sampling events. Wells 0484 and 0557, which are associated with Configuration 1, continue to show a slight increase in uranium concentrations. These wells are 32 and 50 feet deep, respectively, thus representing the deeper groundwater zone beneath the site. Well 0560, located on the downgradient side of the Configuration 1 extraction wells, showed no significant change in uranium concentrations.

The data validations indicate that the data meet the quality control criteria specified for this project. No significant discrepancies were noted regarding sample shipping and receiving, preservation and holding times, instrument calibration, method blanks, or matrix spikes, etc., except as qualified.

There was one anomalous data point identified. The phosphorous concentration for observation well 0488 was lower than the previous minimum concentrations. However, this concentration was qualified as being below the detection limit. In addition to the standard analytes (ammonia, bromide, chloride, sulfate, total dissolved solids, and uranium), other laboratory analyses were conducted. The data are included in this package, but the results will be incorporated and discussed in a future performance assessment report of the interim action well field for 2006.

Sampling and Analysis Summary

Sampling and analysis were conducted in accordance with the *Operations, Maintenance, and Performance Monitoring Plan for the Interim Action Ground Water Treatment System*, March 2005. Although not listed here, the normal set of locations were sampled. Please refer to the attached trip reports for specific sampled locations and an explanation of why some locations were not sampled.

According to the United States Geological Survey Cisco Gaging Station, the mean daily Colorado River flow rates varied between 4,430 and 11,200 cubic feet per second during the April sampling events.

Most riverbed piezometers were not sampled due to the rise in the Colorado River stage, but piezometers 0691 and 0692, downgradient of Configuration 3, showed generally stable to slightly decreasing concentrations of ammonia.

John R Ford

John R. Ford
Ground Water Lead

8-8-2006

Date

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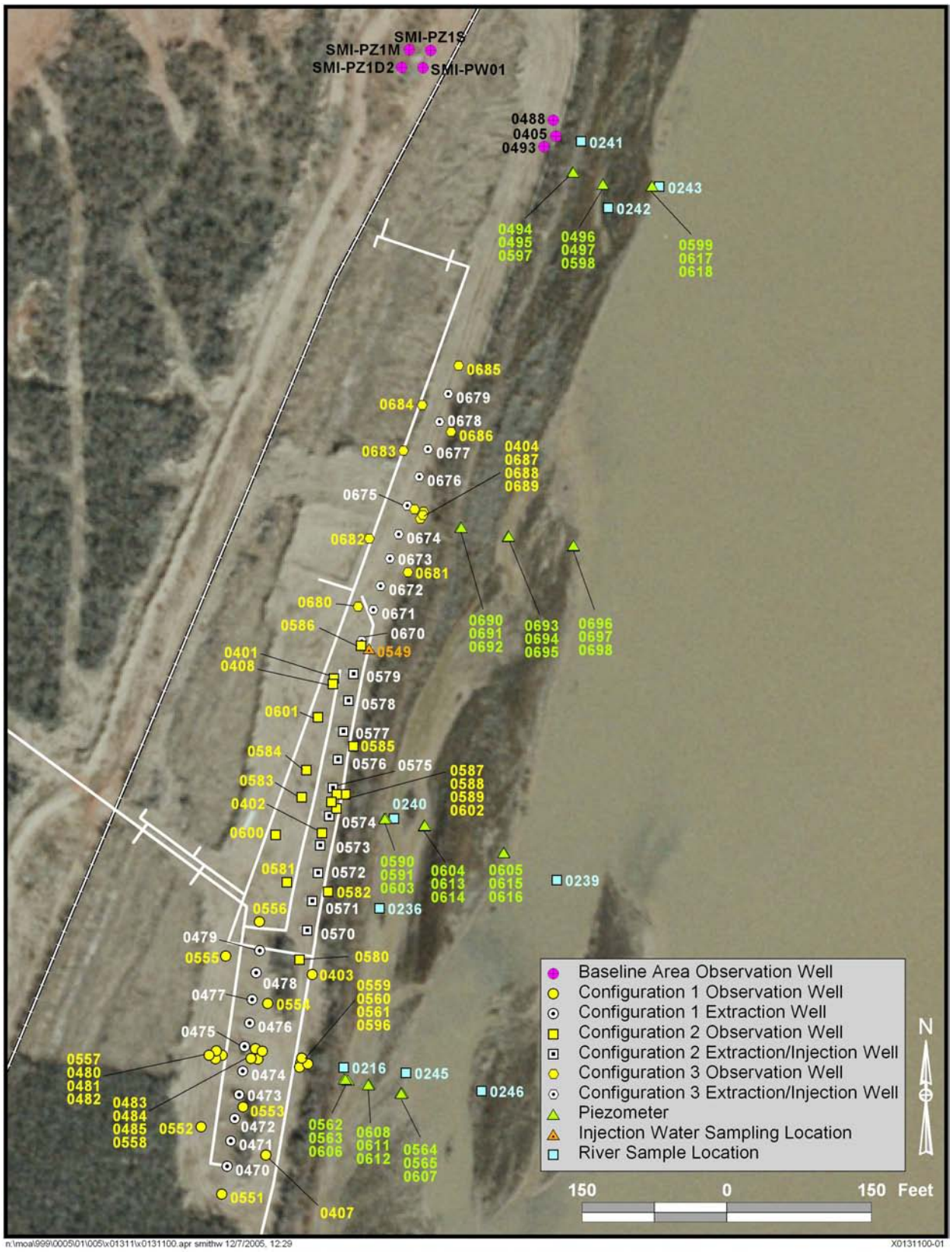
Sample Location Maps

Sample Locations at the Interim Action Well Field and Baseline Area (may include locations not sampled)



Existing Well Locations

Data Assessment Summary

Water Sampling Field Activities Verification Checklist

Project	Moab, Utah	**Date(s) of Water Sampling**	April 3–24, 2006
Date(s) of Verification	July 24, 2006	**Name of Verifier**	Jeff Price

		Response (Yes, No, NA)	Comments
1.	Is the SAP the primary document directing field procedures?	Yes	
	List other documents, SOPs, instructions.	NA	
2.	Were the sampling locations specified in the planning documents sampled?	No	See trip report for explanation.
3.	Was a pre-trip calibration conducted as specified in the aforementioned documents?	Yes	
4.	Was an operational check of the field equipment conducted twice daily?	Yes	
	Did the operational checks meet criteria?	Yes	
5.	Were the number and types (alkalinity, temperature, Ec, pH, turbidity, DO, ORP) of field measurements taken as specified?	Yes	
6.	Was the category of the well documented?	Yes	
7.	Were the following conditions met when purging a Category I well:		
	Was one pump/tubing volume purged prior to sampling?	Yes	
	Did the water level stabilize prior to sampling?	Yes	
	Did pH, specific conductance, and turbidity measurements stabilize prior to sampling?	Yes	
	Was the flow rate less than 500 milliliters per minute (mL/min)?	Yes	
	If a portable pump was used, was there a 4-hour delay between pump installation and sampling?	NA	

Water Sampling Field Activities Verification Checklist (continued)

8.	Were the following conditions met when purging a Category II well:	
	Was the flow rate less than 500 mL/min?	Yes
	Was one pump/tubing volume removed prior to sampling?	Yes
9.	Were duplicates taken at a frequency of one per 20 samples?	Yes
10.	Were equipment blanks taken at a frequency of one per 20 samples that were collected with nondedicated equipment?	Yes
11.	Were trip blanks prepared and included with each shipment of volatile organic compound (VOC) samples?	NA
12.	Were QC samples assigned a fictitious site identification number?	Yes
	Was the true identity of the samples recorded on the Quality Assurance Sample Log?	Yes
13.	Were samples collected in the containers specified?	Yes
14.	Were samples filtered and preserved as specified?	Yes
15.	Were the number and types of samples collected as specified?	Yes
16.	Were chain-of-custody (COC) records completed, and was sample custody maintained?	Yes
17.	Are field data sheets signed and dated by both team members?	Yes
18.	Was all other pertinent information documented on the field data sheets?	Yes
19.	Was the presence or absence of ice in the cooler documented at every sample location?	Yes
20.	Were water levels measured at the locations specified in the planning documents?	Yes

Laboratory Performance Assessment

General Information

Requisition No. (RIN):	06030337
Sample Event:	April 3–24, 2006
Site(s):	Moab, Utah
Laboratory:	Paragon Analytics
Work Order No.:	0604035
Analysis:	Metals and Inorganics
Validator:	Steve Donivan
Review Date:	June 2, 2006

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), "Standard Practice for Validation of Laboratory Data," GT-9(P). All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 1.

Table 1. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Ammonia as N, NH_3-N	WCH-A-005	MCAWW 350.1	MCAWW 350.1
Bromide, Br	MIS-A-038	SW-846 9056	SW-846 9056
Chloride, Cl	MIS-A-039	SW-846 9056	SW-846 9056
Sulfate, SO_4	MIS-A-044	SW-846 9056	SW-846 9056
Total Dissolved Solids, TDS	WCH-A-033	MCAWW 160.1	MCAWW 160.1
Uranium, U	GJO-01	SW-846 3005A	SW-846 6020A

Data Qualifier Summary

Analytical results were qualified as listed in Table 2. Refer to the attached validation worksheets and the sections below for an explanation of the data qualifiers applied.

Table 2. Data Qualifiers

Sample Number	Location	Analyte	Flag	Reason
0604035-39	2240 (Equip. Blank)	U	U	Less than 5 times the calibration blank
0604035-55	2227 (Equip. Blank)	U	U	Less than 5 times the calibration blank
0604035-56	2233 (Equip. Blank)	U	U	Less than 5 times the calibration blank

Sample Shipping/Receiving

Paragon Analytics in Fort Collins, Colorado, received 62 samples between April 7, 2006, and April 25, 2006, accompanied by Chain of Custody (COC) forms. The COC forms were checked

to confirm that all of the samples were listed on the forms with sample collection dates and times, and that signatures and dates were present, indicating sample relinquishment and receipt. The sample submittal documents, including the COC form and the sample tickets, had no errors or omissions.

Preservation and Holding Times

The sample shipment was received cool and intact with interior cooler temperatures of 2.2 °C, 0.4 °C, 5.2 °C, 5.8 °C, and 1.0 °C, which complies with requirements. All samples were received in the correct container types and had been preserved correctly for the requested analyses, and all samples were analyzed within the applicable holding times.

Laboratory Instrument Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data for all analytes. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing a linear curve. Compliance requirements for continuing calibration checks are established to ensure that the instrument continues to be capable of producing acceptable qualitative and quantitative data. All laboratory instrument calibrations were performed correctly in accordance with the cited methods.

Method SW-846 6020A

Calibration for uranium was performed on April 11, 2006, and May 15, 2006. The initial calibrations were performed using six calibration standards resulting in calibration curves with r^2 values greater than 0.995. The absolute values of the curve intercepts were less than 3 times the Method Detection Limit (MDL). Calibration and laboratory spike standards were prepared from independent sources. Initial and continuing calibration verification (CCV) checks were made at the required frequency, resulting in 13 CCVs. All calibration check results met the acceptance criteria. A reporting-limit verification check was made at the required frequency to verify the linearity of the calibration curve near the practical quantitation limit. The check was within the acceptance criteria range. Mass calibration and resolution verifications were performed at the beginning of each analytical run in accordance with the analytical procedure. Internal standard recoveries were stable and within acceptable ranges.

Method SW-846 9056

The initial calibrations for bromide, chloride, and sulfate were performed using five calibration standards each on March 21, 2006. The calibration curve r^2 values were greater than 0.995, and intercepts were less than 3 times the MDL. Initial calibration and calibration check standards were prepared from independent sources. Initial and continuing calibration checks were made at the required frequency, resulting in 25 CCVs. The calibration checks met the acceptance criteria.

Method MCAWW 350.1

The initial calibrations for ammonia as N were performed using six calibration standards on

April 25, 2006, resulting in calibration curves with r^2 values greater than 0.995 and intercepts less than 3 times the MDL. Initial and continuing calibration checks were made at the required frequency, resulting in nine CCVs. All calibration check results were within the acceptance criteria.

Method MCAWW 160.1

There is no initial or continuing calibration requirement associated with the determination of Total Dissolved Solids (TDS).

Method and Calibration Blanks

The uranium initial and continuing calibration blanks were below the practical quantitation limits but greater than the MDL. The uranium result for samples 0604035-39, 0604035-55, and 0604035-56 were less than 5 times the concentration of the associated continuing calibration blank and are qualified as "U." The initial and continuing calibration blanks and the bromide, chloride, sulfate, ammonia as N, and TDS method blanks were below the MDLs.

Inductively Coupled Plasma Interference Check Sample Analysis

Inductively coupled plasma interference check samples were analyzed at the required frequency to verify the instrumental interelement and background correction factors. All check sample results met the acceptance criteria.

Matrix Spike Analysis

Matrix spike and matrix spike duplicate (MS/MSD) pairs were analyzed for uranium, bromide, and ammonia as N as a measure of method performance in the sample matrix. The spike recoveries met the recovery and precision criteria for all analytes.

Laboratory Replicate Analysis

The relative percent difference (RPD) values for the laboratory replicate sample and MSD sample results for all analytes were less than 20 percent, indicating acceptable laboratory precision.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The results were acceptable for all analytes.

Metals Serial Dilution

Serial dilutions were performed during the uranium analysis to monitor physical or chemical interferences that may exist in the sample matrix. The result was slightly above the acceptance

range. The results were not further qualified because there was no other evidence of a matrix interference.

Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The samples were diluted prior to analysis of uranium to reduce interferences. The required detection limits were achieved for all analytes.

Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

Chromatography Peak Integration

The integration of analyte peaks was reviewed for all ion chromatography data. There were no manual integrations performed and all peak integrations were satisfactory.

Electronic Data Deliverable File

The electronic data deliverable (EDD) file arrived on May 25, 2006. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

General Information

Requisition No. (RIN):	06040342
Sample Event:	April 18–19, 2006
Site(s):	Moab, Utah
Laboratory:	Severn Trent, St. Louis
Work Order No.:	F6D210363
Analysis:	Metals, Inorganics
Validator:	Steve Donivan
Review Date:	June 7, 2006

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), "Standard Practice for Validation of Laboratory Data," GT-9(P) (2004). See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 3.

Table 3. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Ammonia as N, NH_3-N	WCH-A-005	MCAWW 350.1	MCAWW 350.1
Bromide, Br	MIS-A-038	MCAWW 300.0A	MCAWW 300.0A
Chemical Oxygen Demand, COD	WCH-A-010	MCAWW 410.4	MCAWW 410.4
Chloride, Cl	MIS-A-039	MCAWW 300.0A	MCAWW 300.0A
Dissolved Organic Carbon, DOC	WCH-A-024	MCAWW 415.1	MCAWW 415.1
Iron, Fe	GJO-16	SW-846 3005A	SW-846 6010B
Manganese, Mn	GJO-17	SW-846 3005A	SW-846 6010B
Nitrite/Nitrate as N, NO_2/NO_3-N	WCH-A-005	MCAWW 353.2	MCAWW 353.2
Phosphate as P	WCH-A-029	MCAWW 365.2	MCAWW 365.2
Selenium, Se	GJO-14	SW-846 3005A	SW-846 6020A
Sulfate, SO_4	MIS-A-044	MCAWW 300.0A	MCAWW 300.0A
Total Dissolved Solids, TDS	WCH-A-033	MCAWW 160.1	MCAWW 160.1
Total Inorganic Carbon, TIC	GJO-49	MCAWW 415.1	MCAWW 415.1
Total Kjeldahl Nitrogen, TKN	WCH-A-039	MCAWW 351.2	MCAWW 351.2
Total Organic Carbon, TOC	WCH-A-025	MCAWW 415.1	MCAWW 415.1
Uranium, U	GJO-01	SW-846 3005A	SW-846 6020A

Data Qualifier Summary

Analytical results were qualified as listed in Table 4. Refer to the sections below for an explanation of the data qualifiers applied.

Table 4. Analytical Results

Sample Number	Location	Analyte	Flag	Reason
F6D210363-014	0403	Br	J	Matrix spike failure
F6D210363-014	0403	COD	J	Matrix spike failure
F6D210363-014	0403	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-015	0405	Br	J	Matrix spike failure
F6D210363-015	0405	COD	J	Matrix spike failure
F6D210363-015	0405	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-016	0407	Fe	U	Less than 5 times the calibration blank
F6D210363-016	0407	Br	J	Matrix spike failure
F6D210363-016	0407	COD	J	Matrix spike failure
F6D210363-016	0407	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-017	0483	Fe	U	Less than 5 times the calibration blank
F6D210363-017	0483	Br	J	Matrix spike failure
F6D210363-017	0483	COD	J	Matrix spike failure
F6D210363-017	0483	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-018	0488	Br	J	Matrix spike failure
F6D210363-018	0488	COD	J	Matrix spike failure
F6D210363-018	0488	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-019	0495	Br	J	Matrix spike failure
F6D210363-019	0495	COD	J	Matrix spike failure
F6D210363-019	0495	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-019	0495	Fe	U	Less than 5 times the calibration blank
F6D210363-020	0559	Br	J	Matrix spike failure
F6D210363-020	0559	COD	J	Matrix spike failure
F6D210363-020	0559	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-021	0597	COD	J	Matrix spike failure
F6D210363-021	0597	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-022	0686	Br	J	Matrix spike failure
F6D210363-022	0686	COD	J	Matrix spike failure
F6D210363-022	0686	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-023	0687	Br	J	Matrix spike failure
F6D210363-023	0687	COD	J	Matrix spike failure
F6D210363-023	0687	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-024	0691	Br	J	Matrix spike failure
F6D210363-024	0691	COD	J	Matrix spike failure
F6D210363-024	0691	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-025	0692	Fe	U	Less than 5 times the calibration blank
F6D210363-025	0692	Br	J	Matrix spike failure
F6D210363-025	0692	COD	J	Matrix spike failure
F6D210363-025	0692	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-026	2243	Br	J	Matrix spike failure
F6D210363-026	2243	COD	J	Matrix spike failure
F6D210363-026	2243	NO_2/NO_3-N	J	Matrix spike failure
F6D210363-027	2244	Br	J	Matrix spike failure
F6D210363-027	2244	COD	J	Matrix spike failure
F6D210363-027	2244	NO_2/NO_3-N	J	Matrix spike failure

Sample Shipping/Receiving

Severn Trent Laboratories in St. Louis, Missouri received 14 water samples on April 21, 2006, accompanied by COC forms. The COC forms were checked to confirm that all of the samples were listed on the form with sample collection dates and times, and that signatures and dates were present, indicating sample relinquishment and receipt. The sample submittal documents, including the COC form and the sample tickets, had no errors or omissions.

Preservation and Holding Times

The sample shipment was received intact with the temperature within the coolers of 2 °C, which complies with requirements. All samples were received in the correct container types and had been preserved correctly for the requested analyses. All samples were analyzed within the applicable holding times.

Laboratory Instrument Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data for all analytes. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing a linear curve. Compliance requirements for continuing calibration checks are established to ensure that the instrument continues to be capable of producing acceptable qualitative and quantitative data. All laboratory instrument calibrations were performed correctly in accordance with the cited methods.

Method SW-846 6010B Metals

Calibration for iron and manganese were performed on April 25, 2006, using three calibration standards resulting in a calibration curve with an r^2 value greater than 0.995. The absolute value of the calibration curve intercept was less than 3 times the MDL. Calibration and laboratory spike standards were prepared from independent sources. Initial and continuing CCV checks were made at the required frequency, resulting in 10 CCVs. All calibration checks met the acceptance criteria. Reporting limit verification checks were made at the beginning and end of the analytical sequence to verify the linearity of the calibration curve near the practical quantitation limit. All results were within the acceptance range.

Method SW-846 6020A Metals

Calibrations for selenium and uranium were performed on April 25, 2006. The initial calibrations were performed using five calibration standards resulting in calibration curves with r^2 values greater than 0.995. The absolute values of the curve intercepts were less than 3 times the MDL. Calibration and laboratory spike standards were prepared from independent sources. Initial and CCV checks were made at the required frequency, resulting in four CCVs. All calibration check results met the acceptance criteria. A reporting limit verification check was made at the required frequency to verify the linearity of the calibration curve near the practical quantitation limit. The

check results for all analytes were within the acceptance criteria range. Mass calibration and resolution verifications were performed at the beginning of each analytical run in accordance with the analytical procedure. Internal standard recoveries were stable and within acceptable ranges.

Method MCAWW 300.0A Anions

The initial calibrations for bromide, chloride, and sulfate were performed using five calibration standards each on May 8, 2006. The calibration curve r^2 values were greater than 0.995 and intercepts were less than 3 times the MDL. Initial calibration and calibration check standards were prepared from independent sources. Initial and continuing calibration checks were made at the required frequency, resulting in seven CCVs. All calibration checks met the acceptance criteria.

Method MCAWW 160.1 Total Dissolved Solids

There is no initial or continuing calibration requirement associated with the determination of TDS.

Method MCAWW 350.1 Ammonia as N

The initial calibrations for ammonia as N were performed using six calibration standards on April 24, 2006, resulting in a calibration curve with an r^2 value greater than 0.995 and an intercept less than 3 times the MDL. Initial and CCV checks were made at the required frequency, resulting in five CCVs. All calibration check results met the acceptance criteria.

Method MCAWW 351.2 Total Kjeldahl Nitrogen

The initial calibrations for total Kjeldahl nitrogen were performed using five calibration standards on April 27, 2006, resulting in calibration curves with r^2 values greater than 0.995 and intercepts less than 3 times the MDL. Initial and CCV checks were made at the required frequency, resulting in six CCVs. All calibration check results met the acceptance criteria.

Method MCAWW 353.2 Nitrate as N

The initial calibrations for nitrite/nitrate as N were performed using seven calibration standards on April 25, 2006, resulting in calibration curves with r^2 values greater than 0.995 and intercepts less than 3 times the MDL. Initial and CCV checks were made at the required frequency, resulting in six CCVs. All calibration check results met the acceptance criteria.

Method MCAWW 365.2 Total Phosphate

The initial calibrations for phosphate as P were performed using four calibration standards on April 27, 2006, resulting in calibration curves with r^2 values greater than 0.995 and intercepts less than 3 times the MDL. Initial and CCV checks were made at the required frequency, resulting in five CCVs. All calibration check results met the acceptance criteria.

Method MCAWW 410.4 Chemical Oxygen Demand

There is no initial or continuing calibration requirement associated with the determination of chemical oxygen demand (COD).

Method MCAWW 415.1 Organic Carbon, Total and Dissolved

The initial calibrations for organic carbon were performed using three calibration standards on April 14, 2006 resulting in a calibration curve with an r^2 value greater than 0.995 and an intercept less than 3 times the MDL. Initial and CCV checks were made at the required frequency, resulting in six CCVs. All calibration check results met the acceptance criteria.

Method MCAWW 415.1 Total Inorganic Carbon

The initial calibrations for total inorganic carbon were performed using three calibration standards on May 14, 2006, resulting in calibration curves with r^2 values greater than 0.995 and intercepts less than 3 times the MDL. Initial and CCV checks were made at the required frequency, resulting in five CCVs. All calibration check results met the acceptance criteria.

Method and Calibration Blanks

Method blanks are analyzed to assess any contamination that may have occurred during sample preparation. Calibration blanks are analyzed to assess instrument contamination prior to and during sample analysis. All method blanks and calibration blanks were below the required detection limits. In cases where blank concentration exceeds the instrument detection limit, the associated sample results are qualified with a "U" flag (not detected) when the sample result is greater than the MDL but less than 5 times the blank concentration.

Inductively Coupled Plasma Interference Check Sample Analysis

Inductively coupled plasma interference check samples were analyzed at the required frequency to verify the instrumental interelement and background correction factors. All check sample results met the acceptance criteria.

Matrix Spike Analysis

MS samples were analyzed for all analytes as a measure of method performance in the sample matrix. Chloride spike recoveries were not evaluated because the concentration of the unspiked samples was greater than four times the spike amount. The spike recoveries met the recovery and precision criteria for all analytes with the following exceptions. The bromide, COD, and nitrate spike recoveries were outside the acceptance range. All results are qualified with a "J" flag as estimated values.

Laboratory Replicate Analysis

The RPD values for the laboratory replicate sample and MSD sample results for all analytes were less than twenty percent for results that are greater than five times the practical quantitation limit, indicating acceptable laboratory precision.

Laboratory Control Samples

LCS were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The results were acceptable for all analytes.

Metals Serial Dilution

Serial dilutions were performed during the metals analysis to monitor physical or chemical interferences that may exist in the sample matrix. All results met the acceptance criteria

Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The samples were diluted prior to analysis of COD, selenium, and uranium to reduce interferences, resulting in elevated detection limits. The required detection limits were achieved for all other analytes.

Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

Chromatography Peak Integration

The integration of analyte peaks was reviewed for all ion chromatography data. There were no manual integrations performed, and all peak integrations were satisfactory.

Electronic Data Deliverable File

The EDD file arrived on May 22, 2006. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

General Information

Requisition No. (RIN): 06040343
Sample Event: April 18–19, 2006
Site(s): Moab, Utah
Laboratory: Microseeps, Pittsburgh, PA
Work Order No.: P0604376
Analysis: Dissolved Gasses, Reduced Metals
Validator: Steve Donivan
Review Date: June 13, 2006

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), "Standard Practice for Validation of Laboratory Data," GT-9(P) (2004). See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 5.

Table 5. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Dissolved Gasses	GJO-52	AM20GAX	AM20GAX
Manganese (II)	GJO-53	Mod.7199	Mod.7199
Iron (II)	GJO-54	Mod.7199	Mod.7199

Data Qualifier Summary

Analytical results were qualified as listed in Table 6. Refer to the attached Data Validation Worksheets and the sections below for an explanation of the data qualifiers applied.

Table 6. Data Qualifiers

Sample Number	Location	Analyte	Flag	Reason
P0604376-01	0403	Mn II	J	Matrix spike failure
P0604376-02	0405	Mn II	J	Matrix spike failure
P0604376-03	0407	Mn II	J	Matrix spike failure
P0604376-04	0483	Fe II	J	Matrix spike failure
P0604376-04	0483	Mn II	J	Matrix spike failure
P0604376-05	0488	Mn II	J	Matrix spike failure
P0604376-06	0495	Mn II	J	Matrix spike failure
P0604376-07	0559	Mn II	J	Matrix spike failure
P0604376-08	0597	Mn II	J	Matrix spike failure
P0604376-09	0686	Mn II	J	Matrix spike failure
P0604376-10	0687	Mn II	J	Matrix spike failure
P0604376-11	0691	Fe II	J	Matrix spike failure
P0604376-11	0691	Mn II	J	Matrix spike failure
P0604376-12	0697	Mn II	J	Matrix spike failure
P0604376-13	2246	Mn II	J	Matrix spike failure

Sample Shipping/Receiving

Microseeps, in Pittsburgh, Pennsylvania, received 14 water samples on April 21, 2006, accompanied by a COC form. The COC form was checked to confirm that all of the samples were listed on the form with sample collection dates and times, and that signatures and dates were present, indicating sample relinquishment and receipt. The COC form was complete, with no errors or omissions.

Preservation and Holding Times

The sample shipment was received cool and intact on April 4, 2006. All samples were received in the correct container types and had been preserved correctly for the requested analyses. There are no standard holding times for these analytes, and the analyses were completed as quickly as possible.

Laboratory Instrument Calibration

Data for this RIN were reported at Analysis Service Level C (results plus quality control) and do not include calibration data.

Method Blanks

All method blank results were below the practical quantitation limits.

Matrix Spike Analysis

MS and MSD samples were analyzed for iron (II) and manganese (II) as a measure of method performance in the sample matrix. Spike data are not evaluated when the concentration of the unspiked sample is greater than four times the spike concentration. The MS and MSD recoveries failed to meet the acceptance criteria in one of the spiked samples. Sample results that are greater than the method detection limit are qualified with a “J” flag as estimated values.

Laboratory Replicate Analysis

The RPD values for the LCS duplicate samples and MSD sample results for all analytes were less than 20 percent, indicating acceptable precision.

Laboratory Control Samples

LCS were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The LCS results were acceptable for all analysis categories.

Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The required detection limits were met for all analytes.

Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

Electronic Data Deliverable File

The EDD file arrived on May 9, 2006. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

End of current text

Field Analyses/Activities

The following information summarizes the field analyses and activities for this sampling event period.

Field Activities

All monitor well results were purged and sampled using the low-flow sampling method; extraction wells are not sampled using the low-flow sampling method.

Four equipment blanks were collected and analyzed for the same constituents as the Moab environmental samples. Analyte concentrations measured in the equipment blanks, with the exception of one methane and one nitrogen result, were below their respective contract-required detection limits and are considered acceptable. Five duplicate samples were collected. There are no established regulatory criteria for the evaluation of field duplicate samples; therefore, U.S. Environmental Protection Agency (EPA) guidance for laboratory duplicates (which is conservative for field duplicates) was used to assess the precision of the field duplicates. With the exception of one phosphorous and one total inorganic carbon result, all other results met the criteria of +/–20 RPD and are considered acceptable.

End of current text

Certification

Results were reported in correct units for all analytes requested. Appropriate contract-required laboratory qualifiers and target analyte lists were used. The required detection limits were met when possible or an explanation of why they were not met was given in the laboratory case narrative. All analytical quality control criteria were met except as qualified on the Ground Water Quality Data by Parameter, Surface Water Quality by Parameter, or equipment/trip blank database printouts. The meaning of data qualifiers is defined on the database printouts or defined in the EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, Multi-Media Multi-Concentration, Document Number ILMO2.0, 1991. All data in this package are considered validated and may be treated as final results.

Laboratory Validation Lead: Steve Donivan — Steve Donivan — 8-7-2006 — Date

Field Activities Validation Lead: J. E. Price — Jeff Price — August 7, 06 — Date

End of current text

Attachment 1

Data Presentation

Minimums and Maximums Report

Minimums and Maximums Report

The Minimums and Maximums Report is generated by a data validation application (DataVal) used to query the SEEPro database. The DataVal compares the new data set with historical data and lists all new data that fall outside the historical data range. Values listed in the report are further screened, and the results are not considered anomalous if: (1) identified low concentrations are the result of low detection limits; (2) the concentration detected is within 50 percent of historical minimum or maximum values; or (3) there were fewer than five historical samples for comparison.

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters
LAB CODE: MSP, MICROSEEPS LABORATORY (Pittsburgh, PA)
LAB REQUISITION(S): 06040343
HISTORY BEGIN DATE: comparing to all historical data
REPORT DATE: 07/24/06 12:55:17: PM

				CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	N	N BELOW DETECT
MOA01	0405	04/18/2006	Dissolved Oxygen	5.2		F	4.5		F	0.97		F	12	0
MOA01	0405	04/18/2006	Nitrogen, Total	21		F	20		F	17		F	5	0
MOA01	0407	04/19/2006	Dissolved Oxygen	6.1		F	4.2		F	1.04		F	11	0

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
+	Correlation coefficient for MSA < 0.995.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
Z	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
C	Pesticide result confirmed by GC-MS.
M	GFAA duplicate injection precision not met.
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
S	Result determined by method of standard addition (MSA).
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
D	Analyte determined in diluted sample.
P	> 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
X	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Y	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
>	Result above upper detection limit.
J	Estimated

DATA QUALIFIERS:

J	Estimated value.	F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.
L	Less than 3 bore volumes purged prior to sampling.	R	Unusable result.	X	Location is undefined.
U	Parameter analyzed for but was not detected.	Q	Qualitative result due to sampling technique		

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters
LAB CODE: PAR, PARAGON (Fort Collins, CO)
LAB REQUISITION(S): 06030337
HISTORY BEGIN DATE: comparing to all historical data
REPORT DATE: 07/24/06 01:06:00: PM

				CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	N	N BELOW DETECT
MOA01	0480	04/04/2006	Ammonia Total as N	630		F	1100		JF	770		F	10	0
MOA01	0480	04/04/2006	Sulfate	8800		F	11200			9500		F	10	0
MOA01	0481	04/04/2006	Ammonia Total as N	660		F	1100		JF	800		F	11	0
MOA01	0481	04/04/2006	Chloride	5100		F	9900		F	7370			11	0
MOA01	0481	04/04/2006	Sulfate	9000		F	11000		F	9600		F	11	0
MOA01	0481	04/04/2006	Total Dissolved Solids	21000		F	27000		F	24000		F	11	0
MOA01	0482	04/04/2006	Ammonia Total as N	520		F	640		F	530		F	11	0
MOA01	0482	04/04/2006	Chloride	46000		F	53000		F	47100			11	0
MOA01	0484	04/04/2006	Ammonia Total as N	970		F	1600		F	990		F	16	0
MOA01	0484	04/04/2006	Ammonia Total as N	920		F	1600		F	990		F	16	0
MOA01	0484	04/04/2006	Chloride	7600		F	18000		F	8470			16	0
MOA01	0484	04/04/2006	Chloride	7700		F	18000		F	8470			16	0
MOA01	0484	04/04/2006	Sulfate	9600		F	11000		F	9800		F	16	0
MOA01	0484	04/04/2006	Sulfate	9700		F	11000		F	9800		F	16	0
MOA01	0485	04/04/2006	Total Dissolved Solids	88000		F	87300			81000		JF	10	0
MOA01	0548	04/06/2006	Ammonia Total as N	440			1400			470			18	0
MOA01	0557	04/04/2006	Ammonia Total as N	680		F	2400		F	690		F	22	0
MOA01	0571	04/24/2006	Ammonia Total as N	1200		F	1700		F	1400			6	0
MOA01	0571	04/24/2006	Sulfate	7700		F	11000		F	7900			6	0
MOA01	0571	04/24/2006	Total Dissolved Solids	70000		F	66000			52000		F	6	0
MOA01	0571	04/24/2006	Uranium	1.4		F	1.9			1.6			6	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters
LAB CODE: PAR, PARAGON (Fort Collins, CO)
LAB REQUISITION(S): 06030337
HISTORY BEGIN DATE: comparing to all historical data
REPORT DATE: 07/24/06 01:06:00: PM

				CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	N	N BELOW DETECT
MOA01	0573	04/24/2006	Ammonia Total as N	730		F	1200		F	1000		F	7	0
MOA01	0573	04/24/2006	Sulfate	7600		F	9700		F	8600			7	0
MOA01	0573	04/24/2006	Total Dissolved Solids	39000		F	53000		F	40000		F	7	0
MOA01	0575	04/24/2006	Ammonia Total as N	600		F	1200		F	1100		F	6	0
MOA01	0575	04/24/2006	Chloride	14000		F	23000		F	17000		F	6	0
MOA01	0575	04/24/2006	Sulfate	7600		F	10000		F	9100			6	0
MOA01	0575	04/24/2006	Total Dissolved Solids	33000		F	48000		F	39000		F	6	0
MOA01	0575	04/24/2006	Uranium	1.9		F	2.5		F	2.3		F	6	0
MOA01	0576	04/24/2006	Ammonia Total as N	400		F	1300		F	520		F	9	0
MOA01	0576	04/24/2006	Sulfate	6300		F	12000		F	7600		F	9	0
MOA01	0576	04/24/2006	Uranium	1.6		F	2.9			2.1		F	9	0
MOA01	0579	04/24/2006	Ammonia Total as N	570		F	1100		F	620		F	7	0
MOA01	0579	04/24/2006	Sulfate	7700		F	13000		F	8900		F	7	0
MOA01	0579	04/24/2006	Uranium	2.1		F	3.1		F	2.2			7	0
MOA01	0596	04/03/2006	Ammonia Total as N	770		F	650		F	250		F	5	0
MOA01	0596	04/03/2006	Chloride	8900		F	6700		F	1700		F	5	0
MOA01	0596	04/03/2006	Sulfate	8000		F	6700		F	2700		F	5	0
MOA01	0596	04/03/2006	Total Dissolved Solids	26000		F	19000		F	6000		F	5	0
MOA01	0596	04/03/2006	Uranium	2		F	1.6		F	0.93		F	5	0
MOA01	0670	04/03/2006	Ammonia Total as N	450			430			90		F	8	0
MOA01	0670	04/03/2006	Sulfate	8400			7800		F	2000		F	8	0
MOA01	0671	04/03/2006	Sulfate	8900			8200			5300		F	8	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters
LAB CODE: PAR, PARAGON (Fort Collins, CO)
LAB REQUISITION(S): 06030337
HISTORY BEGIN DATE: comparing to all historical data
REPORT DATE: 07/24/06 01:06:01: PM

				CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	N	N BELOW DETECT
MOA01	0675	04/03/2006	Uranium	2.8			5.3		F	3			9	0
MOA01	0676	04/03/2006	Uranium	2.7			4.6		F	2.8			9	0
MOA01	0677	04/03/2006	Total Dissolved Solids	20000			24000		F	21000			8	0
MOA01	0688	04/05/2006	Chloride	5900		F	4200		F	2300		F	8	0
MOA01	0688	04/05/2006	Total Dissolved Solids	25000		F	23000		F	17000		F	8	0
MOA01	0689	04/05/2006	Ammonia Total as N	860		F	840		F	290		F	10	0
MOA01	0689	04/05/2006	Chloride	56000		F	53000		F	3000		F	10	0
MOA01	SMI-PZ1S	04/06/2006	Ammonia Total as N	360		F	565			390		F	7	0
MOA01	SMI-PZ1S	04/06/2006	Sulfate	6900		F	8200		F	7020			7	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters
LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)
LAB REQUISITION(S): 06040342
HISTORY BEGIN DATE: comparing to all historical data
REPORT DATE: 07/24/06 01:57:42: PM

				CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	N	N BELOW DETECT
MOA01	0405	04/18/2006	Manganese	5.92		F	7.35		F	6.47		F	5	0
MOA01	0405	04/18/2006	Phosphorus	0.137		F	0.433		F	0.153		F	5	0
MOA01	0488	04/18/2006	Phosphorus	0.0101	U	F	3.12		F	0.0962		JF	5	0
MOA01	0686	04/18/2006	Ammonia Total as N	66.2		F	164		F	88.2		F	5	0
MOA01	0686	04/18/2006	Ammonia Total as N	83.8		F	164		F	88.2		F	5	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters
LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)
LAB REQUISITION(S): 06040342
HISTORY BEGIN DATE: comparing to all historical data
REPORT DATE: 07/24/06 01:57:43: PM

				CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	RESULT	QUALIFIERS LAB	DATA	N	N BELOW DETECT

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
+	Correlation coefficient for MSA < 0.995.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
Z	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
C	Pesticide result confirmed by GC-MS.
M	GFAA duplicate injection precision not met.
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
S	Result determined by method of standard addition (MSA).
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
D	Analyte determined in diluted sample.
P	> 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
X	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Y	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
>	Result above upper detection limit.
J	Estimated

DATA QUALIFIERS:

J	Estimated value.	F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.
L	Less than 3 bore volumes purged prior to sampling.	R	Unusable result.	X	Location is undefined.
U	Parameter analyzed for but was not detected.	Q	Qualitative result due to sampling technique		

Anomalous Data Review Checksheet

Anomalous Data Review Checksheet

Site: Moab Processing Site **Sampling Date:** April 3–24, 2006

Reviewer: Jeff Price (Name) J. E. Price (Signature) 7/31/06 (Date)

Site Lead: John R. Ford (Name) John R Ford (Signature) 7/31/2006 (Date)

Loc. No.	Analyte	Type of Anomaly	Disposition
0488	Phosphorus	Low	

Water Quality Data

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity, Total (As CaCO3	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	268		F	#	-	-
	mg/L	0404	WL	04/05/2006	0001	18.00 - 18.00	956		F	#	-	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	742		F	#	-	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	347		F	#	-	-
	mg/L	0470	WL, EXT	04/03/2006	0001	18.00 - 18.00	754			#	-	-
	mg/L	0471	WL, EXT	04/03/2006	0001	18.00 - 18.00	680			#	-	-
	mg/L	0472	WL, EXT	04/03/2006	0001	18.00 - 18.00	720			#	-	-
	mg/L	0473	WL, EXT	04/03/2006	0001	18.00 - 18.00	700			#	-	-
	mg/L	0474	WL, EXT	04/03/2006	0001	18.00 - 18.00	760			#	-	-
	mg/L	0475	WL, EXT	04/03/2006	0001	18.00 - 18.00	660			#	-	-
	mg/L	0476	WL, EXT	04/03/2006	0001	18.00 - 18.00	560			#	-	-
	mg/L	0477	WL, EXT	04/03/2006	0001	18.00 - 18.00	600			#	-	-
	mg/L	0478	WL, EXT	04/03/2006	0001	23.00 - 23.00	700			#	-	-
	mg/L	0479	WL, EXT	04/03/2006	0001	23.00 - 23.00	680			#	-	-
	mg/L	0480	WL	04/04/2006	0001	18.00 - 18.00	926		F	#	-	-
	mg/L	0481	WL	04/04/2006	0001	28.00 - 28.00	1000		F	#	-	-
	mg/L	0482	WL	04/04/2006	0001	58.00 - 58.00	332		F	#	-	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	500		F	#	-	-
	mg/L	0484	WL	04/04/2006	0001	28.00 - 28.00	922		F	#	-	-
	mg/L	0485	WL	04/04/2006	0001	58.00 - 58.00	268		F	#	-	-
	mg/L	0488	WL	04/06/2006	0001	39.00 - 39.00	983		F	#	-	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	878		F	#	-	-
	mg/L	0493	WL	04/06/2006	0001	54.00 - 54.00	986		F	#	-	-
	mg/L	0547	TS, INFL	04/06/2006	0001	0.00 - 0.00	780			#	-	-
	mg/L	0557	WL	04/04/2006	0001	40.00 - 40.00	942		F	#	-	-
	mg/L	0558	WL	04/04/2006	0001	36.00 - 36.00	460		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity, Total (As CaCO3	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	240		F	#	-	-
	mg/L	0560	WL	04/04/2006	0001	31.00 - 31.00	470		F	#	-	-
	mg/L	0561	WL	04/04/2006	0001	50.00 - 50.00	226		F	#	-	-
	mg/L	0571	WL, I&E	04/24/2006	0001	37.00 - 37.00	430		F	#	-	-
	mg/L	0573	WL, I&E	04/24/2006	0001	37.00 - 37.00	548		F	#	-	-
	mg/L	0575	WL, I&E	04/24/2006	0001	37.00 - 37.00	616		F	#	-	-
	mg/L	0576	WL, I&E	04/24/2006	0001	27.00 - 27.00	608		F	#	-	-
	mg/L	0577	WL, I&E	04/24/2006	0001	37.00 - 37.00	700		F	#	-	-
	mg/L	0579	WL, I&E	04/24/2006	0001	37.00 - 37.00	660		F	#	-	-
	mg/L	0596	WL	04/03/2006	0001	24.00 - 24.00	616		F	#	-	-
	mg/L	0670	WL, EXT	04/03/2006	0001	40.00 - 40.00	960			#	-	-
	mg/L	0671	WL, EXT	04/03/2006	0001	40.00 - 40.00	900			#	-	-
	mg/L	0672	WL, EXT	04/03/2006	0001	40.00 - 40.00	940			#	-	-
	mg/L	0673	WL, EXT	04/03/2006	0001	40.00 - 40.00	950			#	-	-
	mg/L	0674	WL, EXT	04/03/2006	0001	40.00 - 40.00	920			#	-	-
	mg/L	0675	WL, EXT	04/03/2006	0001	40.00 - 40.00	960			#	-	-
	mg/L	0676	WL, EXT	04/03/2006	0001	40.00 - 40.00	835			#	-	-
	mg/L	0677	WL, EXT	04/03/2006	0001	40.00 - 40.00	960			#	-	-
	mg/L	0678	WL, EXT	04/03/2006	0001	40.00 - 40.00	890			#	-	-
	mg/L	0679	WL, EXT	04/03/2006	0001	40.00 - 40.00	826			#	-	-
	mg/L	0682	WL	04/05/2006	0001	28.00 - 28.00	1050		F	#	-	-
	mg/L	0683	WL	04/05/2006	0001	27.00 - 27.00	900		F	#	-	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	816		F	#	-	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	520		F	#	-	-
	mg/L	0688	WL	04/05/2006	0001	39.00 - 39.00	952		F	#	-	-
	mg/L	0688	WL	04/05/2006	0001	31.00 - 31.00	985		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity, Total (As CaCO3	mg/L	0689	WL	04/05/2006	0001	54.00 - 54.00	440		F	#	-	-
	mg/L	0689	WL	04/05/2006	0001	46.00 - 46.00	640		F	#	-	-
	mg/L	SMI-PW01	WL	04/06/2006	0001	40.00 - 40.00	890		F	#	-	-
	mg/L	SMI-PZ1D2	WL	04/06/2006	0001	73.00 - 73.00	260		F	#	-	-
	mg/L	SMI-PZ1M	WL	04/06/2006	0001	57.00 - 57.00	1260		F	#	-	-
	mg/L	SMI-PZ1S	WL	04/06/2006	0001	18.00 - 18.00	720		F	#	-	-
Ammonia Total as N	mg/L	0216	SL, RIV	04/19/2006	0001	0.00 - 0.00	0.1	U		#	0.1	-
	mg/L	0242	SL, RIV	04/17/2006	0001	0.00 - 0.00	0.1	U		#	0.1	-
	mg/L	0258	SL, RIV	04/17/2006	0001	0.00 - 0.00	0.13			#	0.1	-
	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	83.000		F	#	0.878	-
	mg/L	0404	WL	04/05/2006	0001	18.00 - 18.00	360		F	#	50	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	417.000		F	#	4.39	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	11.300		F	#	0.11	-
	mg/L	0470	WL, EXT	04/03/2006	0001	10.30 - 19.70	620			#	50	-
	mg/L	0471	WL, EXT	04/03/2006	0001	10.30 - 19.70	660			#	50	-
	mg/L	0472	WL, EXT	04/03/2006	0001	10.30 - 19.70	540			#	50	-
	mg/L	0473	WL, EXT	04/03/2006	0001	10.30 - 19.70	380			#	50	-
	mg/L	0474	WL, EXT	04/03/2006	0001	10.30 - 19.70	370			#	50	-
	mg/L	0475	WL, EXT	04/03/2006	0001	10.30 - 19.70	280			#	50	-
	mg/L	0476	WL, EXT	04/03/2006	0001	10.30 - 19.70	230			#	50	-
	mg/L	0477	WL, EXT	04/03/2006	0001	10.30 - 19.70	250			#	50	-
	mg/L	0478	WL, EXT	04/03/2006	0001	9.60 - 23.90	400			#	50	-
	mg/L	0479	WL, EXT	04/03/2006	0001	9.30 - 23.60	360			#	50	-
	mg/L	0480	WL	04/04/2006	0001	18.00 - 18.00	630		F	#	50	-
	mg/L	0481	WL	04/04/2006	0001	28.00 - 28.00	660		F	#	50	-
	mg/L	0482	WL	04/04/2006	0001	58.00 - 58.00	520		F	#	50	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Ammonia Total as N	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	450.000		F	#	8.78	-
	mg/L	0484	WL	04/04/2006	0001	28.00 - 28.00	970		F	#	50	-
	mg/L	0484	WL	04/04/2006	0002	28.00 - 28.00	920		F	#	50	-
	mg/L	0485	WL	04/04/2006	0001	58.00 - 58.00	480		F	#	50	-
	mg/L	0488	WL	04/06/2006	0001	39.00 - 39.00	760		F	#	50	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	797.000		F	#	8.78	-
	mg/L	0493	WL	04/06/2006	0001	54.00 - 54.00	1100		F	#	50	-
	mg/L	0493	WL	04/06/2006	0002	54.00 - 54.00	1000		F	#	50	-
	mg/L	0494	WL, PZ	04/20/2006	0001	2.90 - 2.90	9.2		QF	#	0.5	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	262.000		QF	#	2.19	-
	mg/L	0547	TS, INFL	04/06/2006	0001	0.00 - 0.00	470			#	50	-
	mg/L	0548	TS, EPND	04/06/2006	0001	0.00 - 0.00	440			#	50	-
	mg/L	0557	WL	04/04/2006	0001	40.00 - 40.00	680		F	#	50	-
	mg/L	0558	WL	04/04/2006	0001	36.00 - 36.00	1700		F	#	50	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	86.500		F	#	0.549	-
	mg/L	0560	WL	04/04/2006	0001	31.00 - 31.00	1500		F	#	50	-
	mg/L	0561	WL	04/04/2006	0001	50.00 - 50.00	720		F	#	50	-
	mg/L	0571	WL, I&E	04/24/2006	0001	25.00 - 40.00	1200		F	#	50	-
	mg/L	0573	WL, I&E	04/24/2006	0001	25.00 - 40.00	730		F	#	50	-
	mg/L	0575	WL, I&E	04/24/2006	0001	25.00 - 40.00	600		F	#	50	-
	mg/L	0576	WL, I&E	04/24/2006	0001	15.00 - 30.00	400		F	#	50	-
	mg/L	0577	WL, I&E	04/24/2006	0001	25.00 - 40.00	640		F	#	50	-
	mg/L	0579	WL, I&E	04/24/2006	0001	25.00 - 40.00	570		F	#	50	-
	mg/L	0596	WL	04/03/2006	0001	24.00 - 24.00	770		F	#	50	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	383.000		QF	#	8.78	-
	mg/L	0670	WL, EXT	04/03/2006	0001	15.90 - 45.90	450			#	50	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Ammonia Total as N	mg/L	0671	WL, EXT	04/03/2006	0001	14.40 - 44.40	490			#	50	-
	mg/L	0672	WL, EXT	04/03/2006	0001	15.00 - 45.00	560			#	50	-
	mg/L	0673	WL, EXT	04/03/2006	0001	16.30 - 46.30	630			#	50	-
	mg/L	0674	WL, EXT	04/03/2006	0001	15.10 - 45.10	590			#	50	-
	mg/L	0674	WL, EXT	04/03/2006	0002	15.10 - 45.10	560			#	50	-
	mg/L	0675	WL, EXT	04/03/2006	0001	16.00 - 46.00	510			#	50	-
	mg/L	0676	WL, EXT	04/03/2006	0001	15.90 - 45.90	430			#	50	-
	mg/L	0677	WL, EXT	04/03/2006	0001	15.20 - 45.20	570			#	50	-
	mg/L	0678	WL, EXT	04/03/2006	0001	16.30 - 46.30	550			#	50	-
	mg/L	0679	WL, EXT	04/03/2006	0001	15.00 - 45.00	490			#	50	-
	mg/L	0682	WL	04/05/2006	0001	28.00 - 28.00	400		F	#	50	-
	mg/L	0683	WL	04/05/2006	0001	27.00 - 27.00	340		F	#	50	-
	mg/L	0683	WL	04/05/2006	0002	27.00 - 27.00	370		F	#	50	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	83.800		F	#	0.549	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	66.200		F	#	3.51	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	372.000		F	#	8.78	-
	mg/L	0688	WL	04/05/2006	0001	31.00 - 31.00	530		F	#	50	-
	mg/L	0688	WL	04/05/2006	0001	39.00 - 39.00	580		F	#	50	-
	mg/L	0689	WL	04/05/2006	0001	54.00 - 54.00	590		F	#	50	-
	mg/L	0689	WL	04/05/2006	0001	46.00 - 46.00	860		F	#	50	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	146.000		QF	#	2.19	-
	mg/L	0692	WL, PZ	04/18/2006	0001	9.60 - 9.60	394.000		QF	#	4.39	-
	mg/L	SMI-PW01	WL	04/06/2006	0001	40.00 - 40.00	600		F	#	50	-
	mg/L	SMI-PZ1D2	WL	04/06/2006	0001	69.75 - 74.75	1300		F	#	50	-
	mg/L	SMI-PZ1M	WL	04/06/2006	0001	57.00 - 57.00	1000		F	#	50	-
	mg/L	SMI-PZ1S	WL	04/06/2006	0001	18.00 - 18.00	360		F	#	50	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Bromide	mg/L	0216	SL, RIV	04/19/2006	0001	0.00 - 0.00	0.2	U		#	0.2	-
	mg/L	0242	SL, RIV	04/17/2006	0001	0.00 - 0.00	0.2	U		#	0.2	-
	mg/L	0258	SL, RIV	04/17/2006	0001	0.00 - 0.00	0.2	U		#	0.2	-
	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	0.27		FJ	#	0.026	-
	mg/L	0404	WL	04/05/2006	0001	18.00 - 18.00	4	U	F	#	4	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	1.1		FJ	#	0.026	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	0.12	B	FJ	#	0.026	-
	mg/L	0470	WL, EXT	04/03/2006	0001	10.30 - 19.70	10	U		#	10	-
	mg/L	0471	WL, EXT	04/03/2006	0001	10.30 - 19.70	10	U		#	10	-
	mg/L	0472	WL, EXT	04/03/2006	0001	10.30 - 19.70	4	U		#	4	-
	mg/L	0473	WL, EXT	04/03/2006	0001	10.30 - 19.70	4	U		#	4	-
	mg/L	0474	WL, EXT	04/03/2006	0001	10.30 - 19.70	4	U		#	4	-
	mg/L	0475	WL, EXT	04/03/2006	0001	10.30 - 19.70	4	U		#	4	-
	mg/L	0476	WL, EXT	04/03/2006	0001	10.30 - 19.70	4	U		#	4	-
	mg/L	0477	WL, EXT	04/03/2006	0001	10.30 - 19.70	4	U		#	4	-
	mg/L	0478	WL, EXT	04/03/2006	0001	9.60 - 23.90	4	U		#	4	-
	mg/L	0479	WL, EXT	04/03/2006	0001	9.30 - 23.60	4	U		#	4	-
	mg/L	0480	WL	04/04/2006	0001	18.00 - 18.00	10	U	F	#	10	-
	mg/L	0481	WL	04/04/2006	0001	28.00 - 28.00	10	U	F	#	10	-
	mg/L	0482	WL	04/04/2006	0001	58.00 - 58.00	20	U	F	#	20	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	3.6		FJ	#	0.026	-
	mg/L	0484	WL	04/04/2006	0001	28.00 - 28.00	10	U	F	#	10	-
	mg/L	0484	WL	04/04/2006	0002	28.00 - 28.00	10	U	F	#	10	-
	mg/L	0485	WL	04/04/2006	0001	58.00 - 58.00	20	U	F	#	20	-
	mg/L	0488	WL	04/06/2006	0001	39.00 - 39.00	4	U	F	#	4	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	1.9		FJ	#	0.026	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Bromide	mg/L	0493	WL	04/06/2006	0001	54.00 - 54.00	10	U	F	#	10	-
	mg/L	0493	WL	04/06/2006	0002	54.00 - 54.00	10	U	F	#	10	-
	mg/L	0494	WL, PZ	04/20/2006	0001	2.90 - 2.90	10	U	QF	#	10	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	1.3		QFJ	#	0.026	-
	mg/L	0547	TS, INFL	04/06/2006	0001	0.00 - 0.00	4	U		#	4	-
	mg/L	0548	TS, EPND	04/06/2006	0001	0.00 - 0.00	10	U		#	10	-
	mg/L	0557	WL	04/04/2006	0001	40.00 - 40.00	10	U	F	#	10	-
	mg/L	0558	WL	04/04/2006	0001	36.00 - 36.00	20	U	F	#	20	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	0.29		FJ	#	0.026	-
	mg/L	0560	WL	04/04/2006	0001	31.00 - 31.00	20	U	F	#	20	-
	mg/L	0561	WL	04/04/2006	0001	50.00 - 50.00	20	U	F	#	20	-
	mg/L	0571	WL, I&E	04/24/2006	0001	25.00 - 40.00	20	U	F	#	20	-
	mg/L	0573	WL, I&E	04/24/2006	0001	25.00 - 40.00	10	U	F	#	10	-
	mg/L	0575	WL, I&E	04/24/2006	0001	25.00 - 40.00	10	U	F	#	10	-
	mg/L	0576	WL, I&E	04/24/2006	0001	15.00 - 30.00	4	U	F	#	4	-
	mg/L	0577	WL, I&E	04/24/2006	0001	25.00 - 40.00	10	U	F	#	10	-
	mg/L	0579	WL, I&E	04/24/2006	0001	25.00 - 40.00	10	U	F	#	10	-
	mg/L	0596	WL	04/03/2006	0001	24.00 - 24.00	10	U	F	#	10	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	0.57		QF	#	0.026	-
	mg/L	0670	WL, EXT	04/03/2006	0001	15.90 - 45.90	4	U		#	4	-
	mg/L	0671	WL, EXT	04/03/2006	0001	14.40 - 44.40	4	U		#	4	-
	mg/L	0672	WL, EXT	04/03/2006	0001	15.00 - 45.00	4	U		#	4	-
	mg/L	0673	WL, EXT	04/03/2006	0001	16.30 - 46.30	10	U		#	10	-
	mg/L	0674	WL, EXT	04/03/2006	0001	15.10 - 45.10	10	U		#	10	-
	mg/L	0674	WL, EXT	04/03/2006	0002	15.10 - 45.10	10	U		#	10	-
	mg/L	0675	WL, EXT	04/03/2006	0001	16.00 - 46.00	10	U		#	10	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Bromide	mg/L	0676	WL, EXT	04/03/2006	0001	15.90 - 45.90	10	U		#	10	-
	mg/L	0677	WL, EXT	04/03/2006	0001	15.20 - 45.20	10	U		#	10	-
	mg/L	0678	WL, EXT	04/03/2006	0001	16.30 - 46.30	10	U		#	10	-
	mg/L	0679	WL, EXT	04/03/2006	0001	15.00 - 45.00	10	U		#	10	-
	mg/L	0682	WL	04/05/2006	0001	28.00 - 28.00	4	U	F	#	4	-
	mg/L	0683	WL	04/05/2006	0001	27.00 - 27.00	4	U	F	#	4	-
	mg/L	0683	WL	04/05/2006	0002	27.00 - 27.00	4	U	F	#	4	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	2.0		FJ	#	0.026	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	2.0		FJ	#	0.026	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	1.2		FJ	#	0.026	-
	mg/L	0688	WL	04/05/2006	0001	31.00 - 31.00	10	U	F	#	10	-
	mg/L	0688	WL	04/05/2006	0001	39.00 - 39.00	10	U	F	#	10	-
	mg/L	0689	WL	04/05/2006	0001	46.00 - 46.00	20	U	F	#	20	-
	mg/L	0689	WL	04/05/2006	0001	54.00 - 54.00	20	U	F	#	20	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	1.1		QFJ	#	0.026	-
	mg/L	0692	WL, PZ	04/18/2006	0001	9.60 - 9.60	0.80		QFJ	#	0.026	-
	mg/L	SMI-PW01	WL	04/06/2006	0001	40.00 - 40.00	4	U	F	#	4	-
	mg/L	SMI-PZ1D2	WL	04/06/2006	0001	69.75 - 74.75	20	U	F	#	20	-
	mg/L	SMI-PZ1M	WL	04/06/2006	0001	57.00 - 57.00	10	U	F	#	10	-
	mg/L	SMI-PZ1S	WL	04/06/2006	0001	18.00 - 18.00	4	U	F	#	4	-
Carbon Dioxide	mg/L	0403	WL	04/19/2006	0002	18.00 - 18.00	13.000		F	#	0.53	-
	mg/L	0405	WL	04/18/2006	0002	18.00 - 18.00	160.000		F	#	0.53	-
	mg/L	0407	WL	04/19/2006	0002	17.00 - 17.00	41.000		F	#	0.53	-
	mg/L	0483	WL	04/18/2006	0002	18.00 - 18.00	58.000		F	#	0.53	-
	mg/L	0488	WL	04/18/2006	0002	26.00 - 26.00	140.000		F	#	0.53	-
	mg/L	0495	WL, PZ	04/18/2006	0002	5.10 - 5.10	130.000		QF	#	0.53	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Carbon Dioxide	mg/L	0559	WL	04/19/2006	0002	19.00 - 19.00	16.000		F	#	0.53	-
	mg/L	0597	WL, PZ	04/18/2006	0002	9.80 - 9.80	73.000		QF	#	0.53	-
	mg/L	0686	WL	04/18/2006	0002	18.00 - 18.00	180.000		F	#	0.53	-
	mg/L	0686	WL	04/18/2006	0004	18.00 - 18.00	170.000		F	#	0.53	-
	mg/L	0687	WL	04/18/2006	0002	28.00 - 28.00	180.000		F	#	0.53	-
	mg/L	0691	WL, PZ	04/18/2006	0002	4.90 - 4.90	10.000		QF	#	0.53	-
	mg/L	0692	WL, PZ	04/18/2006	0002	9.60 - 9.60	78.000		QF	#	0.53	-
Chemical Oxygen Demand	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	143		FJ	#	9.2	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	222		FJ	#	9.2	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	24.0		FJ	#	9.2	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	647		FJ	#	9.2	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	311		FJ	#	9.2	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	221		QFJ	#	9.2	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	60.0		FJ	#	9.2	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	183		QFJ	#	9.2	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	234		FJ	#	9.2	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	289		FJ	#	9.2	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	383		FJ	#	9.2	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	250		QFJ	#	9.2	-
Chloride	mg/L	0216	SL, RIV	04/19/2006	0001	0.00 - 0.00	38			#	2	-
	mg/L	0242	SL, RIV	04/17/2006	0001	0.00 - 0.00	72			#	2	-
	mg/L	0258	SL, RIV	04/17/2006	0001	0.00 - 0.00	45			#	2	-
	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	365	J	F	#	12.6	-
	mg/L	0404	WL	04/05/2006	0001	18.00 - 18.00	2000		F	#	40	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	1720	J	F	#	31.6	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	229	J	F	#	12.6	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0470	WL, EXT	04/03/2006	0001	10.30 - 19.70	5000			#	100	-
	mg/L	0471	WL, EXT	04/03/2006	0001	10.30 - 19.70	6200			#	100	-
	mg/L	0472	WL, EXT	04/03/2006	0001	10.30 - 19.70	4500			#	100	-
	mg/L	0473	WL, EXT	04/03/2006	0001	10.30 - 19.70	3000			#	40	-
	mg/L	0474	WL, EXT	04/03/2006	0001	10.30 - 19.70	3000			#	40	-
	mg/L	0475	WL, EXT	04/03/2006	0001	10.30 - 19.70	2200			#	40	-
	mg/L	0476	WL, EXT	04/03/2006	0001	10.30 - 19.70	1600			#	40	-
	mg/L	0477	WL, EXT	04/03/2006	0001	10.30 - 19.70	1800			#	40	-
	mg/L	0478	WL, EXT	04/03/2006	0001	9.60 - 23.90	4000			#	40	-
	mg/L	0479	WL, EXT	04/03/2006	0001	9.30 - 23.60	2500			#	40	-
	mg/L	0480	WL	04/04/2006	0001	18.00 - 18.00	4500		F	#	100	-
	mg/L	0481	WL	04/04/2006	0001	28.00 - 28.00	5100		F	#	100	-
	mg/L	0482	WL	04/04/2006	0001	58.00 - 58.00	46000		F	#	1000	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	4020	J	F	#	63.2	-
	mg/L	0484	WL	04/04/2006	0001	28.00 - 28.00	7700		F	#	100	-
	mg/L	0484	WL	04/04/2006	0002	28.00 - 28.00	7600		F	#	100	-
	mg/L	0485	WL	04/04/2006	0001	58.00 - 58.00	49000		F	#	1000	-
	mg/L	0488	WL	04/06/2006	0001	39.00 - 39.00	1800		F	#	40	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	1890	J	F	#	31.6	-
	mg/L	0493	WL	04/06/2006	0001	54.00 - 54.00	8500		F	#	100	-
	mg/L	0493	WL	04/06/2006	0002	54.00 - 54.00	8500		F	#	100	-
	mg/L	0494	WL, PZ	04/20/2006	0001	2.90 - 2.90	7300		QF	#	100	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	2070	J	QF	#	126	-
	mg/L	0547	TS, INFL	04/06/2006	0001	0.00 - 0.00	4700			#	100	-
	mg/L	0548	TS, EPND	04/06/2006	0001	0.00 - 0.00	6500			#	100	-
	mg/L	0557	WL	04/04/2006	0001	40.00 - 40.00	5900		F	#	100	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0558	WL	04/04/2006	0001	36.00 - 36.00	38000		F	#	1000	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	541	J	F	#	12.6	-
	mg/L	0560	WL	04/04/2006	0001	31.00 - 31.00	35000		F	#	1000	-
	mg/L	0561	WL	04/04/2006	0001	50.00 - 50.00	45000		F	#	1000	-
	mg/L	0571	WL, I&E	04/24/2006	0001	25.00 - 40.00	33000		F	#	1000	-
	mg/L	0573	WL, I&E	04/24/2006	0001	25.00 - 40.00	19000		F	#	200	-
	mg/L	0575	WL, I&E	04/24/2006	0001	25.00 - 40.00	14000		F	#	200	-
	mg/L	0576	WL, I&E	04/24/2006	0001	15.00 - 30.00	4700		F	#	100	-
	mg/L	0577	WL, I&E	04/24/2006	0001	25.00 - 40.00	11000		F	#	200	-
	mg/L	0579	WL, I&E	04/24/2006	0001	25.00 - 40.00	14000		F	#	200	-
	mg/L	0596	WL	04/03/2006	0001	24.00 - 24.00	8900		F	#	100	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	1490	J	QF	#	63.2	-
	mg/L	0670	WL, EXT	04/03/2006	0001	15.90 - 45.90	1900			#	40	-
	mg/L	0671	WL, EXT	04/03/2006	0001	14.40 - 44.40	3300			#	100	-
	mg/L	0672	WL, EXT	04/03/2006	0001	15.00 - 45.00	4200			#	100	-
	mg/L	0673	WL, EXT	04/03/2006	0001	16.30 - 46.30	5400			#	100	-
	mg/L	0674	WL, EXT	04/03/2006	0001	15.10 - 45.10	4400			#	100	-
	mg/L	0674	WL, EXT	04/03/2006	0002	15.10 - 45.10	4300			#	100	-
	mg/L	0675	WL, EXT	04/03/2006	0001	16.00 - 46.00	3900			#	100	-
	mg/L	0676	WL, EXT	04/03/2006	0001	15.90 - 45.90	2800			#	100	-
	mg/L	0677	WL, EXT	04/03/2006	0001	15.20 - 45.20	3000			#	100	-
	mg/L	0678	WL, EXT	04/03/2006	0001	16.30 - 46.30	3300			#	100	-
	mg/L	0679	WL, EXT	04/03/2006	0001	15.00 - 45.00	2800			#	100	-
	mg/L	0682	WL	04/05/2006	0001	28.00 - 28.00	2100		F	#	100	-
	mg/L	0683	WL	04/05/2006	0001	27.00 - 27.00	2100		F	#	100	-
	mg/L	0683	WL	04/05/2006	0002	27.00 - 27.00	2200		F	#	40	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	3290	J	F	#	126	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	3270	J	F	#	126	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	2590	J	F	#	63.2	-
	mg/L	0688	WL	04/05/2006	0001	39.00 - 39.00	5900		F	#	100	-
	mg/L	0688	WL	04/05/2006	0001	31.00 - 31.00	2600		F	#	100	-
	mg/L	0689	WL	04/05/2006	0001	54.00 - 54.00	40000		F	#	1000	-
	mg/L	0689	WL	04/05/2006	0001	46.00 - 46.00	56000		F	#	1000	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	2070	J	QF	#	63.2	-
	mg/L	0692	WL, PZ	04/18/2006	0001	9.60 - 9.60	2310	J	QF	#	63.2	-
	mg/L	SMI-PW01	WL	04/06/2006	0001	40.00 - 40.00	1500		F	#	40	-
	mg/L	SMI-PZ1D2	WL	04/06/2006	0001	69.75 - 74.75	48000		F	#	1000	-
	mg/L	SMI-PZ1M	WL	04/06/2006	0001	57.00 - 57.00	6600		F	#	100	-
	mg/L	SMI-PZ1S	WL	04/06/2006	0001	18.00 - 18.00	1200		F	#	40	-
Dissolved Organic Carbon	mg/L	0403	WL	04/19/2006	N001	18.00 - 18.00	3.7		F	#	0.95	-
	mg/L	0405	WL	04/18/2006	N001	18.00 - 18.00	4.0		F	#	0.95	-
	mg/L	0407	WL	04/19/2006	N001	17.00 - 17.00	3.7		F	#	0.95	-
	mg/L	0483	WL	04/18/2006	N001	18.00 - 18.00	3.0		F	#	0.95	-
	mg/L	0488	WL	04/18/2006	N001	26.00 - 26.00	12.0		F	#	2.4	-
	mg/L	0495	WL, PZ	04/18/2006	N001	5.10 - 5.10	8.6		QF	#	0.95	-
	mg/L	0559	WL	04/19/2006	N001	19.00 - 19.00	13.0		F	#	2.4	-
	mg/L	0597	WL, PZ	04/18/2006	N001	9.80 - 9.80	12.7		QF	#	2.4	-
	mg/L	0686	WL	04/18/2006	N001	18.00 - 18.00	33.3		F	#	2.4	-
	mg/L	0686	WL	04/18/2006	N003	18.00 - 18.00	33.8		F	#	2.4	-
	mg/L	0687	WL	04/18/2006	N001	28.00 - 28.00	6.2		F	#	0.95	-
	mg/L	0691	WL, PZ	04/18/2006	N001	4.90 - 4.90	31.2		QF	#	2.4	-
Dissolved Oxygen	mg/L	0216	SL, RIV	04/19/2006	N001	0.00 - 0.00	9.28			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Dissolved Oxygen	mg/L	0242	SL, RIV	04/17/2006	N001	0.00 - 0.00	7.75			#	-	-
	mg/L	0258	SL, RIV	04/17/2006	N001	0.00 - 0.00	9.36			#	-	-
	mg/L	0401	WL	04/20/2006	N001	18.00 - 18.00	1.63		F	#	-	-
	mg/L	0402	WL	04/24/2006	N001	17.00 - 17.00	3.42		F	#	-	-
	mg/L	0403	WL	04/19/2006	0002	18.00 - 18.00	5.400		F	#	0.07	-
	mg/L	0403	WL	04/19/2006	N001	18.00 - 18.00	2.22		F	#	-	-
	mg/L	0404	WL	04/05/2006	N001	18.00 - 18.00	1.35		F	#	-	-
	mg/L	0405	WL	04/18/2006	0002	18.00 - 18.00	5.200		F	#	0.07	-
	mg/L	0405	WL	04/18/2006	N001	18.00 - 18.00	2.71		F	#	-	-
	mg/L	0407	WL	04/19/2006	0002	17.00 - 17.00	6.100		F	#	0.07	-
	mg/L	0407	WL	04/19/2006	N001	17.00 - 17.00	3.06		F	#	-	-
	mg/L	0408	WL	04/20/2006	N001	26.00 - 26.00	2.10		F	#	-	-
	mg/L	0470	WL, EXT	04/03/2006	N001	18.00 - 18.00	2.28			#	-	-
	mg/L	0471	WL, EXT	04/03/2006	N001	18.00 - 18.00	2.80			#	-	-
	mg/L	0472	WL, EXT	04/03/2006	N001	18.00 - 18.00	4.55			#	-	-
	mg/L	0473	WL, EXT	04/03/2006	N001	18.00 - 18.00	4.82			#	-	-
	mg/L	0474	WL, EXT	04/03/2006	N001	18.00 - 18.00	4.59			#	-	-
	mg/L	0475	WL, EXT	04/03/2006	N001	18.00 - 18.00	4.11			#	-	-
	mg/L	0476	WL, EXT	04/03/2006	N001	18.00 - 18.00	2.86			#	-	-
	mg/L	0477	WL, EXT	04/03/2006	N001	18.00 - 18.00	4.72			#	-	-
	mg/L	0478	WL, EXT	04/03/2006	N001	23.00 - 23.00	3.72			#	-	-
	mg/L	0479	WL, EXT	04/03/2006	N001	23.00 - 23.00	5.58			#	-	-
	mg/L	0480	WL	04/04/2006	N001	18.00 - 18.00	1.80		F	#	-	-
	mg/L	0481	WL	04/04/2006	N001	28.00 - 28.00	1.53		F	#	-	-
	mg/L	0482	WL	04/04/2006	N001	58.00 - 58.00	0.88		F	#	-	-
	mg/L	0483	WL	04/18/2006	0002	18.00 - 18.00	2.600		F	#	0.07	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Dissolved Oxygen	mg/L	0483	WL	04/18/2006	N001	18.00 - 18.00	2.49		F	#	-	-
	mg/L	0484	WL	04/04/2006	N001	28.00 - 28.00	1.03		F	#	-	-
	mg/L	0485	WL	04/04/2006	N001	58.00 - 58.00	1.10		F	#	-	-
	mg/L	0488	WL	04/06/2006	N001	39.00 - 39.00	1.93		F	#	-	-
	mg/L	0488	WL	04/18/2006	0002	26.00 - 26.00	5.100		F	#	0.07	-
	mg/L	0488	WL	04/18/2006	N001	26.00 - 26.00	3.03		F	#	-	-
	mg/L	0493	WL	04/06/2006	N001	54.00 - 54.00	1.73		F	#	-	-
	mg/L	0494	WL, PZ	04/20/2006	N001	2.90 - 2.90	4.97		QF	#	-	-
	mg/L	0495	WL, PZ	04/18/2006	0002	5.10 - 5.10	5.800		QF	#	0.07	-
	mg/L	0495	WL, PZ	04/18/2006	N001	5.10 - 5.10	4.63		QF	#	-	-
	mg/L	0547	TS, INFL	04/06/2006	N001	0.00 - 0.00	6.93			#	-	-
	mg/L	0548	TS, EPND	04/06/2006	N001	0.00 - 0.00	6.77			#	-	-
	mg/L	0557	WL	04/04/2006	N001	40.00 - 40.00	1.25		F	#	-	-
	mg/L	0558	WL	04/04/2006	N001	36.00 - 36.00	0.86		F	#	-	-
	mg/L	0559	WL	04/19/2006	0002	19.00 - 19.00	5.500		F	#	0.07	-
	mg/L	0559	WL	04/19/2006	N001	19.00 - 19.00	1.99		F	#	-	-
	mg/L	0560	WL	04/04/2006	N001	31.00 - 31.00	1.32		F	#	-	-
	mg/L	0561	WL	04/04/2006	N001	50.00 - 50.00	0.80		F	#	-	-
	mg/L	0571	WL, I&E	04/24/2006	N001	37.00 - 37.00	2.74		F	#	-	-
	mg/L	0573	WL, I&E	04/24/2006	N001	37.00 - 37.00	5.37		F	#	-	-
	mg/L	0575	WL, I&E	04/24/2006	N001	37.00 - 37.00	5.84		F	#	-	-
	mg/L	0576	WL, I&E	04/24/2006	N001	27.00 - 27.00	6.01		F	#	-	-
	mg/L	0577	WL, I&E	04/24/2006	N001	37.00 - 37.00	4.32		F	#	-	-
	mg/L	0579	WL, I&E	04/24/2006	N001	37.00 - 37.00	5.89		F	#	-	-
	mg/L	0580	WL	04/20/2006	N001	18.00 - 18.00	2.89			#	-	-
	mg/L	0581	WL	04/20/2006	N001	18.00 - 18.00	3.16			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Dissolved Oxygen	mg/L	0582	WL	04/20/2006	N001	18.00 - 18.00	3.43			#	-	-
	mg/L	0583	WL	04/24/2006	N001	18.00 - 18.00	2.88			#	-	-
	mg/L	0584	WL	04/20/2006	N001	18.00 - 18.00	2.86			#	-	-
	mg/L	0585	WL	04/20/2006	N001	18.00 - 18.00	1.57			#	-	-
	mg/L	0586	WL	04/20/2006	N001	18.00 - 18.00	2.03			#	-	-
	mg/L	0587	WL	04/20/2006	N001	18.00 - 18.00	3.29			#	-	-
	mg/L	0588	WL	04/20/2006	N001	34.00 - 34.00	3.68			#	-	-
	mg/L	0589	WL	04/20/2006	N001	52.00 - 52.00	1.75			#	-	-
	mg/L	0596	WL	04/03/2006	N001	24.00 - 24.00	1.26		F	#	-	-
	mg/L	0597	WL, PZ	04/18/2006	0002	9.80 - 9.80	5.200		QF	#	0.07	-
	mg/L	0597	WL, PZ	04/18/2006	N001	9.80 - 9.80	3.81		QF	#	-	-
	mg/L	0600	WL	04/20/2006	N001	27.00 - 27.00	2.16		F	#	-	-
	mg/L	0601	WL	04/20/2006	N001	27.00 - 27.00	1.63		F	#	-	-
	mg/L	0670	WL, EXT	04/03/2006	N001	40.00 - 40.00	4.31			#	-	-
	mg/L	0671	WL, EXT	04/03/2006	N001	40.00 - 40.00	4.84			#	-	-
	mg/L	0672	WL, EXT	04/03/2006	N001	40.00 - 40.00	3.88			#	-	-
	mg/L	0673	WL, EXT	04/03/2006	N001	40.00 - 40.00	1.83			#	-	-
	mg/L	0674	WL, EXT	04/03/2006	N001	40.00 - 40.00	1.63			#	-	-
	mg/L	0675	WL, EXT	04/03/2006	N001	40.00 - 40.00	1.77			#	-	-
	mg/L	0676	WL, EXT	04/03/2006	N001	40.00 - 40.00	1.75			#	-	-
	mg/L	0677	WL, EXT	04/03/2006	N001	40.00 - 40.00	0.77			#	-	-
	mg/L	0678	WL, EXT	04/03/2006	N001	40.00 - 40.00	3.44			#	-	-
	mg/L	0679	WL, EXT	04/03/2006	N001	40.00 - 40.00	3.41			#	-	-
	mg/L	0682	WL	04/05/2006	N001	28.00 - 28.00	1.20		F	#	-	-
	mg/L	0683	WL	04/05/2006	N001	27.00 - 27.00	1.34		F	#	-	-
	mg/L	0686	WL	04/18/2006	0002	18.00 - 18.00	5.100		F	#	0.07	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Dissolved Oxygen	mg/L	0686	WL	04/18/2006	0004	18.00 - 18.00	5.300		F	#	0.07	-
	mg/L	0686	WL	04/18/2006	N001	18.00 - 18.00	1.99		F	#	-	-
	mg/L	0687	WL	04/18/2006	0002	28.00 - 28.00	5.000		F	#	0.07	-
	mg/L	0687	WL	04/18/2006	N001	28.00 - 28.00	2.58		F	#	-	-
	mg/L	0688	WL	04/05/2006	N001	39.00 - 39.00	1.05		F	#	-	-
	mg/L	0688	WL	04/05/2006	N001	31.00 - 31.00	0.96		F	#	-	-
	mg/L	0689	WL	04/05/2006	N001	46.00 - 46.00	7.06		F	#	-	-
	mg/L	0689	WL	04/05/2006	N001	54.00 - 54.00	0.63		F	#	-	-
	mg/L	0691	WL, PZ	04/18/2006	0002	4.90 - 4.90	6.000		QF	#	0.07	-
	mg/L	0691	WL, PZ	04/18/2006	N001	4.90 - 4.90	5.67		QF	#	-	-
	mg/L	0692	WL, PZ	04/18/2006	0002	9.60 - 9.60	5.300		QF	#	0.07	-
	mg/L	0692	WL, PZ	04/18/2006	N001	9.60 - 9.60	3.60		QF	#	-	-
	mg/L	SMI-PW01	WL	04/06/2006	N001	40.00 - 40.00	1.55		F	#	-	-
	mg/L	SMI-PZ1D2	WL	04/06/2006	N001	73.00 - 73.00	1.92		F	#	-	-
	mg/L	SMI-PZ1M	WL	04/06/2006	N001	57.00 - 57.00	1.33		F	#	-	-
	mg/L	SMI-PZ1S	WL	04/06/2006	N001	18.00 - 18.00	1.58		F	#	-	-
Iron	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	0.0250	U	F	#	0.025	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	0.0250	U	F	#	0.025	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	0.0356	B	UF	#	0.025	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	0.0307	B	UF	#	0.025	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	0.0250	U	F	#	0.025	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	0.0287	B	UQF	#	0.025	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	0.0250	U	F	#	0.025	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	0.470		QF	#	0.025	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	0.0250	U	F	#	0.025	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	0.0250	U	F	#	0.025	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Iron	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	0.0250	U	F	#	0.025	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	0.0250	U	QF	#	0.025	-
	mg/L	0692	WL, PZ	04/18/2006	0001	9.60 - 9.60	0.0341	B	UQF	#	0.025	-
Iron (II)	mg/L	0403	WL	04/19/2006	0002	18.00 - 18.00	1.0	UM	F	#	0.1	-
	mg/L	0405	WL	04/18/2006	0002	18.00 - 18.00	1.0	UM	F	#	0.1	-
	mg/L	0407	WL	04/19/2006	0002	17.00 - 17.00	1.0	UM	F	#	0.1	-
	mg/L	0483	WL	04/18/2006	0002	18.00 - 18.00	0.3	JM	JF	#	0.1	-
	mg/L	0488	WL	04/18/2006	0002	26.00 - 26.00	1.0	UM	F	#	0.1	-
	mg/L	0495	WL, PZ	04/18/2006	0002	5.10 - 5.10	1.0	UM	QF	#	0.1	-
	mg/L	0559	WL	04/19/2006	0002	19.00 - 19.00	1.0	UM	F	#	0.1	-
	mg/L	0597	WL, PZ	04/18/2006	0002	9.80 - 9.80	1.0	UM	QF	#	0.1	-
	mg/L	0686	WL	04/18/2006	0002	18.00 - 18.00	1.0	UM	F	#	0.1	-
	mg/L	0686	WL	04/18/2006	0004	18.00 - 18.00	1.0	UM	F	#	0.1	-
	mg/L	0687	WL	04/18/2006	0002	28.00 - 28.00	1.0	UM	F	#	0.1	-
	mg/L	0691	WL, PZ	04/18/2006	0002	4.90 - 4.90	0.4	JM	JQF	#	0.1	-
	mg/L	0692	WL, PZ	04/18/2006	0002	9.60 - 9.60	1.0	UM	QF	#	0.1	-
Manganese	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	0.409		F	#	0.00034	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	5.920		F	#	0.00034	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	0.134		F	#	0.00034	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	2.700		F	#	0.00034	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	6.780		F	#	0.00034	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	5.580		QF	#	0.00034	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	0.474		F	#	0.00034	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	5.800		QF	#	0.00034	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	3.320		F	#	0.00034	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	3.230		F	#	0.00034	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
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PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Manganese	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	5.140		F	#	0.00034	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	2.830		QF	#	0.00034	-
	mg/L	0692	WL, PZ	04/18/2006	0001	9.60 - 9.60	5.140		QF	#	0.00034	-
Manganese (II)	mg/L	0403	WL	04/19/2006	0002	18.00 - 18.00	0.4	JM	F	#	-	-
	mg/L	0405	WL	04/18/2006	0002	18.00 - 18.00	8.6	M	F	#	-	-
	mg/L	0407	WL	04/19/2006	0002	17.00 - 17.00	0.1	JM	JF	#	-	-
	mg/L	0483	WL	04/18/2006	0002	18.00 - 18.00	3.5	M	JF	#	-	-
	mg/L	0488	WL	04/18/2006	0002	26.00 - 26.00	11.0	M	JF	#	-	-
	mg/L	0495	WL, PZ	04/18/2006	0002	5.10 - 5.10	9.9	M	JQF	#	-	-
	mg/L	0559	WL	04/19/2006	0002	19.00 - 19.00	0.5	JM	JF	#	-	-
	mg/L	0597	WL, PZ	04/18/2006	0002	9.80 - 9.80	8.8	M	JQF	#	-	-
	mg/L	0686	WL	04/18/2006	0002	18.00 - 18.00	3.5	M	JF	#	-	-
	mg/L	0686	WL	04/18/2006	0004	18.00 - 18.00	3.5	M	JF	#	-	-
	mg/L	0687	WL	04/18/2006	0002	28.00 - 28.00	5.6	M	JF	#	-	-
	mg/L	0691	WL, PZ	04/18/2006	0002	4.90 - 4.90	0.6	JM	JQF	#	-	-
	mg/L	0692	WL, PZ	04/18/2006	0002	9.60 - 9.60	9.4	M	JQF	#	-	-
Methane	ug/L	0403	WL	04/19/2006	0002	18.00 - 18.00	28.000		F	#	0.011	-
	ug/L	0405	WL	04/18/2006	0002	18.00 - 18.00	1.800		F	#	0.011	-
	ug/L	0407	WL	04/19/2006	0002	17.00 - 17.00	10.000		F	#	0.011	-
	ug/L	0483	WL	04/18/2006	0002	18.00 - 18.00	8.200		F	#	0.011	-
	ug/L	0488	WL	04/18/2006	0002	26.00 - 26.00	2.200		F	#	0.011	-
	ug/L	0495	WL, PZ	04/18/2006	0002	5.10 - 5.10	1.100		QF	#	0.011	-
	ug/L	0559	WL	04/19/2006	0002	19.00 - 19.00	25.000		F	#	0.011	-
	ug/L	0597	WL, PZ	04/18/2006	0002	9.80 - 9.80	1.300		QF	#	0.011	-
	ug/L	0686	WL	04/18/2006	0002	18.00 - 18.00	0.700		F	#	0.011	-
	ug/L	0686	WL	04/18/2006	0004	18.00 - 18.00	0.510		F	#	0.011	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
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PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Methane	ug/L	0687	WL	04/18/2006	0002	28.00 - 28.00	0.780		F	#	0.011	-
	ug/L	0691	WL, PZ	04/18/2006	0002	4.90 - 4.90	0.470		QF	#	0.011	-
	ug/L	0692	WL, PZ	04/18/2006	0002	9.60 - 9.60	0.780		QF	#	0.011	-
Nitrate + Nitrite as Nitrogen	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	3.770		FJ	#	0.0247	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	93.600		FJ	#	1.24	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	0.157		FJ	#	0.0031	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	11.200		FJ	#	0.0618	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	36.000		FJ	#	0.309	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	97.000		QFJ	#	1.24	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	1.920		FJ	#	0.0124	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	90.900		QFJ	#	1.24	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	415.000		FJ	#	3.09	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	412.000		FJ	#	3.09	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	211.000		FJ	#	3.09	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	237.000		QFJ	#	3.09	-
	mg/L	0692	WL, PZ	04/18/2006	0001	9.60 - 9.60	185.000		QFJ	#	3.09	-
Nitrogen, Total	mg/L	0403	WL	04/19/2006	0002	18.00 - 18.00	26.000		F	#	0.06	-
	mg/L	0405	WL	04/18/2006	0002	18.00 - 18.00	21.000		F	#	0.06	-
	mg/L	0407	WL	04/19/2006	0002	17.00 - 17.00	27.000		F	#	0.06	-
	mg/L	0483	WL	04/18/2006	0002	18.00 - 18.00	19.000		F	#	0.06	-
	mg/L	0488	WL	04/18/2006	0002	26.00 - 26.00	27.000		F	#	0.06	-
	mg/L	0495	WL, PZ	04/18/2006	0002	5.10 - 5.10	21.000		QF	#	0.06	-
	mg/L	0559	WL	04/19/2006	0002	19.00 - 19.00	25.000		F	#	0.06	-
	mg/L	0597	WL, PZ	04/18/2006	0002	9.80 - 9.80	24.000		QF	#	0.06	-
	mg/L	0686	WL	04/18/2006	0002	18.00 - 18.00	21.000		F	#	0.06	-
	mg/L	0686	WL	04/18/2006	0004	18.00 - 18.00	19.000		F	#	0.06	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Nitrogen, Total	mg/L	0687	WL	04/18/2006	0002	28.00 - 28.00	19.000		F	#	0.06	-
	mg/L	0691	WL, PZ	04/18/2006	0002	4.90 - 4.90	26.000		QF	#	0.06	-
	mg/L	0692	WL, PZ	04/18/2006	0002	9.60 - 9.60	20.000		QF	#	0.06	-
Oxidation Reduction Potent	mV	0216	SL, RIV	04/19/2006	N001	0.00 - 0.00	133			#	-	-
	mV	0242	SL, RIV	04/17/2006	N001	0.00 - 0.00	141			#	-	-
	mV	0258	SL, RIV	04/17/2006	N001	0.00 - 0.00	112			#	-	-
	mV	0401	WL	04/20/2006	N001	18.00 - 18.00	205		F	#	-	-
	mV	0402	WL	04/24/2006	N001	17.00 - 17.00	114		F	#	-	-
	mV	0403	WL	04/19/2006	N001	18.00 - 18.00	100		F	#	-	-
	mV	0404	WL	04/05/2006	N001	18.00 - 18.00	136		F	#	-	-
	mV	0405	WL	04/18/2006	N001	18.00 - 18.00	226.3		F	#	-	-
	mV	0407	WL	04/19/2006	N001	17.00 - 17.00	98		F	#	-	-
	mV	0408	WL	04/20/2006	N001	26.00 - 26.00	206		F	#	-	-
	mV	0470	WL, EXT	04/03/2006	N001	18.00 - 18.00	274.7			#	-	-
	mV	0471	WL, EXT	04/03/2006	N001	18.00 - 18.00	261			#	-	-
	mV	0472	WL, EXT	04/03/2006	N001	18.00 - 18.00	245			#	-	-
	mV	0473	WL, EXT	04/03/2006	N001	18.00 - 18.00	243			#	-	-
	mV	0474	WL, EXT	04/03/2006	N001	18.00 - 18.00	244			#	-	-
	mV	0475	WL, EXT	04/03/2006	N001	18.00 - 18.00	242			#	-	-
	mV	0476	WL, EXT	04/03/2006	N001	18.00 - 18.00	242			#	-	-
	mV	0477	WL, EXT	04/03/2006	N001	18.00 - 18.00	244			#	-	-
	mV	0478	WL, EXT	04/03/2006	N001	23.00 - 23.00	248			#	-	-
	mV	0479	WL, EXT	04/03/2006	N001	23.00 - 23.00	243			#	-	-
	mV	0480	WL	04/04/2006	N001	18.00 - 18.00	128		F	#	-	-
	mV	0481	WL	04/04/2006	N001	28.00 - 28.00	103		F	#	-	-
	mV	0482	WL	04/04/2006	N001	58.00 - 58.00	133		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Oxidation Reduction Potent	mV	0483	WL	04/18/2006	N001	18.00 - 18.00	163		F	#	-	-
	mV	0484	WL	04/04/2006	N001	28.00 - 28.00	52		F	#	-	-
	mV	0485	WL	04/04/2006	N001	58.00 - 58.00	41		F	#	-	-
	mV	0488	WL	04/06/2006	N001	39.00 - 39.00	221		F	#	-	-
	mV	0488	WL	04/18/2006	N001	26.00 - 26.00	256.8		F	#	-	-
	mV	0493	WL	04/06/2006	N001	54.00 - 54.00	182		F	#	-	-
	mV	0494	WL, PZ	04/20/2006	N001	2.90 - 2.90	260		QF	#	-	-
	mV	0495	WL, PZ	04/18/2006	N001	5.10 - 5.10	204		QF	#	-	-
	mV	0547	TS, INFL	04/06/2006	N001	0.00 - 0.00	237			#	-	-
	mV	0548	TS, EPND	04/06/2006	N001	0.00 - 0.00	264			#	-	-
	mV	0557	WL	04/04/2006	N001	40.00 - 40.00	103		F	#	-	-
	mV	0558	WL	04/04/2006	N001	36.00 - 36.00	71		F	#	-	-
	mV	0559	WL	04/19/2006	N001	19.00 - 19.00	50		F	#	-	-
	mV	0560	WL	04/04/2006	N001	31.00 - 31.00	189		F	#	-	-
	mV	0561	WL	04/04/2006	N001	50.00 - 50.00	58		F	#	-	-
	mV	0571	WL, I&E	04/24/2006	N001	37.00 - 37.00	108		F	#	-	-
	mV	0573	WL, I&E	04/24/2006	N001	37.00 - 37.00	201		F	#	-	-
	mV	0575	WL, I&E	04/24/2006	N001	37.00 - 37.00	136		F	#	-	-
	mV	0576	WL, I&E	04/24/2006	N001	27.00 - 27.00	126		F	#	-	-
	mV	0577	WL, I&E	04/24/2006	N001	37.00 - 37.00	134		F	#	-	-
	mV	0579	WL, I&E	04/24/2006	N001	37.00 - 37.00	123		F	#	-	-
	mV	0580	WL	04/20/2006	N001	18.00 - 18.00	211			#	-	-
	mV	0581	WL	04/20/2006	N001	18.00 - 18.00	219			#	-	-
	mV	0582	WL	04/20/2006	N001	18.00 - 18.00	206			#	-	-
	mV	0583	WL	04/24/2006	N001	18.00 - 18.00	253			#	-	-
	mV	0584	WL	04/20/2006	N001	18.00 - 18.00	226			#	-	-

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Oxidation Reduction Potent	mV	0585	WL	04/20/2006	N001	18.00 - 18.00	187			#	-	-
	mV	0586	WL	04/20/2006	N001	18.00 - 18.00	201			#	-	-
	mV	0587	WL	04/20/2006	N001	18.00 - 18.00	128			#	-	-
	mV	0588	WL	04/20/2006	N001	34.00 - 34.00	130			#	-	-
	mV	0589	WL	04/20/2006	N001	52.00 - 52.00	104.7			#	-	-
	mV	0596	WL	04/03/2006	N001	24.00 - 24.00	223		F	#	-	-
	mV	0597	WL, PZ	04/18/2006	N001	9.80 - 9.80	224		QF	#	-	-
	mV	0600	WL	04/20/2006	N001	27.00 - 27.00	228		F	#	-	-
	mV	0601	WL	04/20/2006	N001	27.00 - 27.00	207		F	#	-	-
	mV	0670	WL, EXT	04/03/2006	N001	40.00 - 40.00	218			#	-	-
	mV	0671	WL, EXT	04/03/2006	N001	40.00 - 40.00	223			#	-	-
	mV	0672	WL, EXT	04/03/2006	N001	40.00 - 40.00	228			#	-	-
	mV	0673	WL, EXT	04/03/2006	N001	40.00 - 40.00	235			#	-	-
	mV	0674	WL, EXT	04/03/2006	N001	40.00 - 40.00	231			#	-	-
	mV	0675	WL, EXT	04/03/2006	N001	40.00 - 40.00	231			#	-	-
	mV	0676	WL, EXT	04/03/2006	N001	40.00 - 40.00	226			#	-	-
	mV	0677	WL, EXT	04/03/2006	N001	40.00 - 40.00	233			#	-	-
	mV	0678	WL, EXT	04/03/2006	N001	40.00 - 40.00	229			#	-	-
	mV	0679	WL, EXT	04/03/2006	N001	40.00 - 40.00	228			#	-	-
	mV	0682	WL	04/05/2006	N001	28.00 - 28.00	158		F	#	-	-
	mV	0683	WL	04/05/2006	N001	27.00 - 27.00	171		F	#	-	-
	mV	0686	WL	04/18/2006	N001	18.00 - 18.00	225.3		F	#	-	-
	mV	0687	WL	04/18/2006	N001	28.00 - 28.00	220.5		F	#	-	-
	mV	0688	WL	04/05/2006	N001	31.00 - 31.00	65		F	#	-	-
	mV	0688	WL	04/05/2006	N001	39.00 - 39.00	72		F	#	-	-
	mV	0689	WL	04/05/2006	N001	46.00 - 46.00	124		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Oxidation Reduction Potent	mV	0689	WL	04/05/2006	N001	54.00 - 54.00	61		F	#	-	-
	mV	0691	WL, PZ	04/18/2006	N001	4.90 - 4.90	189		QF	#	-	-
	mV	0692	WL, PZ	04/18/2006	N001	9.60 - 9.60	170		QF	#	-	-
	mV	SMI-PW01	WL	04/06/2006	N001	40.00 - 40.00	211		F	#	-	-
	mV	SMI-PZ1D2	WL	04/06/2006	N001	73.00 - 73.00	234		F	#	-	-
	mV	SMI-PZ1M	WL	04/06/2006	N001	57.00 - 57.00	267		F	#	-	-
	mV	SMI-PZ1S	WL	04/06/2006	N001	18.00 - 18.00	271		F	#	-	-
pH	s.u.	0216	SL, RIV	04/19/2006	N001	0.00 - 0.00	8.13			#	-	-
	s.u.	0242	SL, RIV	04/17/2006	N001	0.00 - 0.00	7.73			#	-	-
	s.u.	0258	SL, RIV	04/17/2006	N001	0.00 - 0.00	8.03			#	-	-
	s.u.	0401	WL	04/20/2006	N001	18.00 - 18.00	6.71		F	#	-	-
	s.u.	0402	WL	04/24/2006	N001	17.00 - 17.00	7.09		F	#	-	-
	s.u.	0403	WL	04/19/2006	N001	18.00 - 18.00	7.65		F	#	-	-
	s.u.	0404	WL	04/05/2006	N001	18.00 - 18.00	6.76		F	#	-	-
	s.u.	0405	WL	04/18/2006	N001	18.00 - 18.00	6.72		F	#	-	-
	s.u.	0407	WL	04/19/2006	N001	17.00 - 17.00	7.03		F	#	-	-
	s.u.	0408	WL	04/20/2006	N001	26.00 - 26.00	6.71		F	#	-	-
	s.u.	0470	WL, EXT	04/03/2006	N001	18.00 - 18.00	6.82			#	-	-
	s.u.	0471	WL, EXT	04/03/2006	N001	18.00 - 18.00	6.86			#	-	-
	s.u.	0472	WL, EXT	04/03/2006	N001	18.00 - 18.00	6.93			#	-	-
	s.u.	0473	WL, EXT	04/03/2006	N001	18.00 - 18.00	6.93			#	-	-
	s.u.	0474	WL, EXT	04/03/2006	N001	18.00 - 18.00	6.88			#	-	-
	s.u.	0475	WL, EXT	04/03/2006	N001	18.00 - 18.00	6.90			#	-	-
	s.u.	0476	WL, EXT	04/03/2006	N001	18.00 - 18.00	6.85			#	-	-
	s.u.	0477	WL, EXT	04/03/2006	N001	18.00 - 18.00	6.90			#	-	-
	s.u.	0478	WL, EXT	04/03/2006	N001	23.00 - 23.00	6.86			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0479	WL, EXT	04/03/2006	N001	23.00 - 23.00	6.96			#	-	-
	s.u.	0480	WL	04/04/2006	N001	18.00 - 18.00	6.87		F	#	-	-
	s.u.	0481	WL	04/04/2006	N001	28.00 - 28.00	6.88		F	#	-	-
	s.u.	0482	WL	04/04/2006	N001	58.00 - 58.00	6.85		F	#	-	-
	s.u.	0483	WL	04/18/2006	N001	18.00 - 18.00	7.16		F	#	-	-
	s.u.	0484	WL	04/04/2006	N001	28.00 - 28.00	6.92		F	#	-	-
	s.u.	0485	WL	04/04/2006	N001	58.00 - 58.00	6.84		F	#	-	-
	s.u.	0488	WL	04/06/2006	N001	39.00 - 39.00	6.90		F	#	-	-
	s.u.	0488	WL	04/18/2006	N001	26.00 - 26.00	6.93		F	#	-	-
	s.u.	0493	WL	04/06/2006	N001	54.00 - 54.00	6.80		F	#	-	-
	s.u.	0494	WL, PZ	04/20/2006	N001	2.90 - 2.90	6.64		QF	#	-	-
	s.u.	0495	WL, PZ	04/18/2006	N001	5.10 - 5.10	6.95		QF	#	-	-
	s.u.	0547	TS, INFL	04/06/2006	N001	0.00 - 0.00	7.06			#	-	-
	s.u.	0548	TS, EPND	04/06/2006	N001	0.00 - 0.00	6.87			#	-	-
	s.u.	0557	WL	04/04/2006	N001	40.00 - 40.00	6.92		F	#	-	-
	s.u.	0558	WL	04/04/2006	N001	36.00 - 36.00	6.71		F	#	-	-
	s.u.	0559	WL	04/19/2006	N001	19.00 - 19.00	7.56		F	#	-	-
	s.u.	0560	WL	04/04/2006	N001	31.00 - 31.00	6.75		F	#	-	-
	s.u.	0561	WL	04/04/2006	N001	50.00 - 50.00	6.84		F	#	-	-
	s.u.	0571	WL, I&E	04/24/2006	N001	37.00 - 37.00	6.68		F	#	-	-
	s.u.	0573	WL, I&E	04/24/2006	N001	37.00 - 37.00	7.01		F	#	-	-
	s.u.	0575	WL, I&E	04/24/2006	N001	37.00 - 37.00	6.94		F	#	-	-
	s.u.	0576	WL, I&E	04/24/2006	N001	27.00 - 27.00	7.08		F	#	-	-
	s.u.	0577	WL, I&E	04/24/2006	N001	37.00 - 37.00	6.85		F	#	-	-
	s.u.	0579	WL, I&E	04/24/2006	N001	37.00 - 37.00	6.78		F	#	-	-
	s.u.	0580	WL	04/20/2006	N001	18.00 - 18.00	7.12			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
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PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0581	WL	04/20/2006	N001	18.00 - 18.00	7.06			#	-	-
	s.u.	0582	WL	04/20/2006	N001	18.00 - 18.00	6.93			#	-	-
	s.u.	0583	WL	04/24/2006	N001	18.00 - 18.00	6.90			#	-	-
	s.u.	0584	WL	04/20/2006	N001	18.00 - 18.00	6.84			#	-	-
	s.u.	0585	WL	04/20/2006	N001	18.00 - 18.00	6.82			#	-	-
	s.u.	0586	WL	04/20/2006	N001	18.00 - 18.00	6.60			#	-	-
	s.u.	0587	WL	04/20/2006	N001	18.00 - 18.00	7.11			#	-	-
	s.u.	0588	WL	04/20/2006	N001	34.00 - 34.00	6.95			#	-	-
	s.u.	0589	WL	04/20/2006	N001	52.00 - 52.00	6.68			#	-	-
	s.u.	0596	WL	04/03/2006	N001	24.00 - 24.00	7.09		F	#	-	-
	s.u.	0597	WL, PZ	04/18/2006	N001	9.80 - 9.80	7.5		QF	#	-	-
	s.u.	0600	WL	04/20/2006	N001	27.00 - 27.00	6.91		F	#	-	-
	s.u.	0601	WL	04/20/2006	N001	27.00 - 27.00	6.73		F	#	-	-
	s.u.	0670	WL, EXT	04/03/2006	N001	40.00 - 40.00	6.77			#	-	-
	s.u.	0671	WL, EXT	04/03/2006	N001	40.00 - 40.00	6.95			#	-	-
	s.u.	0672	WL, EXT	04/03/2006	N001	40.00 - 40.00	6.95			#	-	-
	s.u.	0673	WL, EXT	04/03/2006	N001	40.00 - 40.00	6.82			#	-	-
	s.u.	0674	WL, EXT	04/03/2006	N001	40.00 - 40.00	6.84			#	-	-
	s.u.	0675	WL, EXT	04/03/2006	N001	40.00 - 40.00	6.85			#	-	-
	s.u.	0676	WL, EXT	04/03/2006	N001	40.00 - 40.00	6.92			#	-	-
	s.u.	0677	WL, EXT	04/03/2006	N001	40.00 - 40.00	6.86			#	-	-
	s.u.	0678	WL, EXT	04/03/2006	N001	40.00 - 40.00	6.92			#	-	-
	s.u.	0679	WL, EXT	04/03/2006	N001	40.00 - 40.00	6.91			#	-	-
	s.u.	0682	WL	04/05/2006	N001	28.00 - 28.00	6.76		F	#	-	-
	s.u.	0683	WL	04/05/2006	N001	27.00 - 27.00	6.78		F	#	-	-
	s.u.	0686	WL	04/18/2006	N001	18.00 - 18.00	6.54		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
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PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0687	WL	04/18/2006	N001	28.00 - 28.00	6.74		F	#	-	-
	s.u.	0688	WL	04/05/2006	N001	31.00 - 31.00	6.81		F	#	-	-
	s.u.	0688	WL	04/05/2006	N001	39.00 - 39.00	6.80		F	#	-	-
	s.u.	0689	WL	04/05/2006	N001	46.00 - 46.00	6.77		F	#	-	-
	s.u.	0689	WL	04/05/2006	N001	54.00 - 54.00	6.73		F	#	-	-
	s.u.	0691	WL, PZ	04/18/2006	N001	4.90 - 4.90	7.11		QF	#	-	-
	s.u.	0692	WL, PZ	04/18/2006	N001	9.60 - 9.60	7.41		QF	#	-	-
	s.u.	SMI-PW01	WL	04/06/2006	N001	40.00 - 40.00	6.90		F	#	-	-
	s.u.	SMI-PZ1D2	WL	04/06/2006	N001	73.00 - 73.00	6.61		F	#	-	-
	s.u.	SMI-PZ1M	WL	04/06/2006	N001	57.00 - 57.00	6.83		F	#	-	-
	s.u.	SMI-PZ1S	WL	04/06/2006	N001	18.00 - 18.00	6.79		F	#	-	-
Phosphorus	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	0.0621		F	#	0.0101	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	0.137		F	#	0.0101	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	0.0645		F	#	0.0101	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	0.0645		F	#	0.0101	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	0.0101	U	F	#	0.0101	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	0.0101	U	QF	#	0.0101	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	0.0693		F	#	0.0101	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	0.0101	U	QF	#	0.0101	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	0.0101	U	F	#	0.0101	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	0.0862		F	#	0.0101	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	0.0101	U	F	#	0.0101	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	0.0355	B	QF	#	0.0101	-
Selenium	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	0.0027	B	F	#	0.001	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	0.0273		F	#	0.001	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	0.0010	U	F	#	0.001	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
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PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Selenium	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	0.0038	B	F	#	0.001	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	0.0185		F	#	0.001	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	0.0182		QF	#	0.001	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	0.0011	B	F	#	0.001	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	0.0068		QF	#	0.001	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	0.0175		F	#	0.001	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	0.0189		F	#	0.001	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	0.0110		F	#	0.001	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	0.0223		QF	#	0.001	-
	mg/L	0692	WL, PZ	04/18/2006	0001	9.60 - 9.60	0.0010	U	QF	#	0.001	-
Specific Conductance	umhos/cm	0216	SL, RIV	04/19/2006	N001	0.00 - 0.00	510			#	-	-
	umhos/cm	0242	SL, RIV	04/17/2006	N001	0.00 - 0.00	9620			#	-	-
	umhos/cm	0258	SL, RIV	04/17/2006	N001	0.00 - 0.00	5990			#	-	-
	umhos/cm	0401	WL	04/20/2006	N001	18.00 - 18.00	17940		F	#	-	-
	umhos/cm	0402	WL	04/24/2006	N001	17.00 - 17.00	3677		F	#	-	-
	umhos/cm	0403	WL	04/19/2006	N001	18.00 - 18.00	3382		F	#	-	-
	umhos/cm	0404	WL	04/05/2006	N001	18.00 - 18.00	22310		F	#	-	-
	umhos/cm	0405	WL	04/18/2006	N001	18.00 - 18.00	16660		F	#	-	-
	umhos/cm	0407	WL	04/19/2006	N001	17.00 - 17.00	2850		F	#	-	-
	umhos/cm	0408	WL	04/20/2006	N001	26.00 - 26.00	1860		F	#	-	-
	umhos/cm	0470	WL, EXT	04/03/2006	N001	18.00 - 18.00	30060			#	-	-
	umhos/cm	0471	WL, EXT	04/03/2006	N001	18.00 - 18.00	32150			#	-	-
	umhos/cm	0472	WL, EXT	04/03/2006	N001	18.00 - 18.00	25800			#	-	-
	umhos/cm	0473	WL, EXT	04/03/2006	N001	18.00 - 18.00	21490			#	-	-
	umhos/cm	0474	WL, EXT	04/03/2006	N001	18.00 - 18.00	21910			#	-	-
	umhos/cm	0475	WL, EXT	04/03/2006	N001	18.00 - 18.00	13680			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
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PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0476	WL, EXT	04/03/2006	N001	18.00 - 18.00	15040			#	-	-
	umhos/cm	0477	WL, EXT	04/03/2006	N001	18.00 - 18.00	16180			#	-	-
	umhos/cm	0478	WL, EXT	04/03/2006	N001	23.00 - 23.00	23700			#	-	-
	umhos/cm	0479	WL, EXT	04/03/2006	N001	23.00 - 23.00	19790			#	-	-
	umhos/cm	0480	WL	04/04/2006	N001	18.00 - 18.00	30100		F	#	-	-
	umhos/cm	0481	WL	04/04/2006	N001	28.00 - 28.00	30820		F	#	-	-
	umhos/cm	0482	WL	04/04/2006	N001	58.00 - 58.00	1237		F	#	-	-
	umhos/cm	0483	WL	04/18/2006	N001	18.00 - 18.00	21210		F	#	-	-
	umhos/cm	0484	WL	04/04/2006	N001	28.00 - 28.00	39440		F	#	-	-
	umhos/cm	0485	WL	04/04/2006	N001	58.00 - 58.00	12560		F	#	-	-
	umhos/cm	0488	WL	04/06/2006	N001	39.00 - 39.00	25420		F	#	-	-
	umhos/cm	0488	WL	04/18/2006	N001	26.00 - 26.00	20840		F	#	-	-
	umhos/cm	0493	WL	04/06/2006	N001	54.00 - 54.00	48460		F	#	-	-
	umhos/cm	0494	WL, PZ	04/20/2006	N001	2.90 - 2.90	46060		QF	#	-	-
	umhos/cm	0495	WL, PZ	04/18/2006	N001	5.10 - 5.10	21110		QF	#	-	-
	umhos/cm	0547	TS, INFL	04/06/2006	N001	0.00 - 0.00	27480			#	-	-
	umhos/cm	0548	TS, EPND	04/06/2006	N001	0.00 - 0.00	27190			#	-	-
	umhos/cm	0557	WL	04/04/2006	N001	40.00 - 40.00	33480		F	#	-	-
	umhos/cm	0558	WL	04/04/2006	N001	36.00 - 36.00	10690		F	#	-	-
	umhos/cm	0559	WL	04/19/2006	N001	19.00 - 19.00	3914		F	#	-	-
	umhos/cm	0560	WL	04/04/2006	N001	31.00 - 31.00	10606		F	#	-	-
	umhos/cm	0561	WL	04/04/2006	N001	50.00 - 50.00	12320		F	#	-	-
	umhos/cm	0571	WL, I&E	04/24/2006	N001	37.00 - 37.00	96820		F	#	-	-
	umhos/cm	0573	WL, I&E	04/24/2006	N001	37.00 - 37.00	41830		F	#	-	-
	umhos/cm	0575	WL, I&E	04/24/2006	N001	37.00 - 37.00	45750		F	#	-	-
	umhos/cm	0576	WL, I&E	04/24/2006	N001	27.00 - 27.00	22630		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
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PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0577	WL, I&E	04/24/2006	N001	37.00 - 37.00	37060		F	#	-	-
	umhos/cm	0579	WL, I&E	04/24/2006	N001	37.00 - 37.00	43860		F	#	-	-
	umhos/cm	0580	WL	04/20/2006	N001	18.00 - 18.00	3192			#	-	-
	umhos/cm	0581	WL	04/20/2006	N001	18.00 - 18.00	8473			#	-	-
	umhos/cm	0582	WL	04/20/2006	N001	18.00 - 18.00	4173			#	-	-
	umhos/cm	0583	WL	04/24/2006	N001	18.00 - 18.00	16070			#	-	-
	umhos/cm	0584	WL	04/20/2006	N001	18.00 - 18.00	15520			#	-	-
	umhos/cm	0585	WL	04/20/2006	N001	18.00 - 18.00	3030			#	-	-
	umhos/cm	0586	WL	04/20/2006	N001	18.00 - 18.00	11170			#	-	-
	umhos/cm	0587	WL	04/20/2006	N001	18.00 - 18.00	4760			#	-	-
	umhos/cm	0588	WL	04/20/2006	N001	34.00 - 34.00	54210			#	-	-
	umhos/cm	0589	WL	04/20/2006	N001	52.00 - 52.00	103900			#	-	-
	umhos/cm	0596	WL	04/03/2006	N001	24.00 - 24.00	36530		F	#	-	-
	umhos/cm	0597	WL, PZ	04/18/2006	N001	9.80 - 9.80	17150		QF	#	-	-
	umhos/cm	0600	WL	04/20/2006	N001	27.00 - 27.00	25110		F	#	-	-
	umhos/cm	0601	WL	04/20/2006	N001	27.00 - 27.00	19440		F	#	-	-
	umhos/cm	0670	WL, EXT	04/03/2006	N001	40.00 - 40.00	20480			#	-	-
	umhos/cm	0671	WL, EXT	04/03/2006	N001	40.00 - 40.00	25630			#	-	-
	umhos/cm	0672	WL, EXT	04/03/2006	N001	40.00 - 40.00	28470			#	-	-
	umhos/cm	0673	WL, EXT	04/03/2006	N001	40.00 - 40.00	31640			#	-	-
	umhos/cm	0674	WL, EXT	04/03/2006	N001	40.00 - 40.00	29550			#	-	-
	umhos/cm	0675	WL, EXT	04/03/2006	N001	40.00 - 40.00	28360			#	-	-
	umhos/cm	0676	WL, EXT	04/03/2006	N001	40.00 - 40.00	25440			#	-	-
	umhos/cm	0677	WL, EXT	04/03/2006	N001	40.00 - 40.00	27430			#	-	-
	umhos/cm	0678	WL, EXT	04/03/2006	N001	40.00 - 40.00	28090			#	-	-
	umhos/cm	0679	WL, EXT	04/03/2006	N001	40.00 - 40.00	26780			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
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PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0682	WL	04/05/2006	N001	28.00 - 28.00	21770		F	#	-	-
	umhos/cm	0683	WL	04/05/2006	N001	27.00 - 27.00	22840		F	#	-	-
	umhos/cm	0686	WL	04/18/2006	N001	18.00 - 18.00	23610		F	#	-	-
	umhos/cm	0687	WL	04/18/2006	N001	28.00 - 28.00	21760		F	#	-	-
	umhos/cm	0688	WL	04/05/2006	N001	31.00 - 31.00	26010		F	#	-	-
	umhos/cm	0688	WL	04/05/2006	N001	39.00 - 39.00	35850		F	#	-	-
	umhos/cm	0689	WL	04/05/2006	N001	46.00 - 46.00	5120		F	#	-	-
	umhos/cm	0689	WL	04/05/2006	N001	54.00 - 54.00	10850		F	#	-	-
	umhos/cm	0691	WL, PZ	04/18/2006	N001	4.90 - 4.90	23500		QF	#	-	-
	umhos/cm	0692	WL, PZ	04/18/2006	N001	9.60 - 9.60	21390		QF	#	-	-
	umhos/cm	SMI-PW01	WL	04/06/2006	N001	40.00 - 40.00	22220		F	#	-	-
	umhos/cm	SMI-PZ1D2	WL	04/06/2006	N001	73.00 - 73.00	12830		F	#	-	-
	umhos/cm	SMI-PZ1M	WL	04/06/2006	N001	57.00 - 57.00	44360		F	#	-	-
	umhos/cm	SMI-PZ1S	WL	04/06/2006	N001	18.00 - 18.00	17290		F	#	-	-
Sulfate	mg/L	0216	SL, RIV	04/19/2006	0001	0.00 - 0.00	87			#	0.5	-
	mg/L	0242	SL, RIV	04/17/2006	0001	0.00 - 0.00	150			#	5	-
	mg/L	0258	SL, RIV	04/17/2006	0001	0.00 - 0.00	95			#	0.5	-
	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	804		F	#	12.2	-
	mg/L	0404	WL	04/05/2006	0001	18.00 - 18.00	8500		F	#	100	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	7430		F	#	122	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	970		F	#	12.2	-
	mg/L	0470	WL, EXT	04/03/2006	0001	10.30 - 19.70	8300			#	250	-
	mg/L	0471	WL, EXT	04/03/2006	0001	10.30 - 19.70	7500			#	250	-
	mg/L	0472	WL, EXT	04/03/2006	0001	10.30 - 19.70	6600			#	100	-
	mg/L	0473	WL, EXT	04/03/2006	0001	10.30 - 19.70	6300			#	100	-
	mg/L	0474	WL, EXT	04/03/2006	0001	10.30 - 19.70	6900			#	100	-

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0475	WL, EXT	04/03/2006	0001	10.30 - 19.70	5600			#	100	-
	mg/L	0476	WL, EXT	04/03/2006	0001	10.30 - 19.70	4600			#	100	-
	mg/L	0477	WL, EXT	04/03/2006	0001	10.30 - 19.70	5300			#	100	-
	mg/L	0478	WL, EXT	04/03/2006	0001	9.60 - 23.90	6600			#	100	-
	mg/L	0479	WL, EXT	04/03/2006	0001	9.30 - 23.60	6200			#	100	-
	mg/L	0480	WL	04/04/2006	0001	18.00 - 18.00	8800		F	#	250	-
	mg/L	0481	WL	04/04/2006	0001	28.00 - 28.00	9000		F	#	250	-
	mg/L	0482	WL	04/04/2006	0001	58.00 - 58.00	6600		F	#	50	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	4490		F	#	61.2	-
	mg/L	0484	WL	04/04/2006	0001	28.00 - 28.00	9700		F	#	250	-
	mg/L	0484	WL	04/04/2006	0002	28.00 - 28.00	9600		F	#	250	-
	mg/L	0485	WL	04/04/2006	0001	58.00 - 58.00	6300		F	#	50	-
	mg/L	0488	WL	04/06/2006	0001	39.00 - 39.00	11000		F	#	100	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	10300		F	#	122	-
	mg/L	0493	WL	04/06/2006	0001	54.00 - 54.00	16000		F	#	250	-
	mg/L	0493	WL	04/06/2006	0002	54.00 - 54.00	16000		F	#	250	-
	mg/L	0494	WL, PZ	04/20/2006	0001	2.90 - 2.90	20000		QF	#	250	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	9010		QF	#	122	-
	mg/L	0547	TS, INFL	04/06/2006	0001	0.00 - 0.00	7500			#	100	-
	mg/L	0548	TS, EPND	04/06/2006	0001	0.00 - 0.00	8400			#	250	-
	mg/L	0557	WL	04/04/2006	0001	40.00 - 40.00	9400		F	#	250	-
	mg/L	0558	WL	04/04/2006	0001	36.00 - 36.00	9300		F	#	50	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	901		F	#	12.2	-
	mg/L	0560	WL	04/04/2006	0001	31.00 - 31.00	8700		F	#	50	-
	mg/L	0561	WL	04/04/2006	0001	50.00 - 50.00	7000		F	#	50	-
	mg/L	0571	WL, I&E	04/24/2006	0001	25.00 - 40.00	7700		F	#	50	-

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0573	WL, I&E	04/24/2006	0001	25.00 - 40.00	7600		F	#	500	-
	mg/L	0575	WL, I&E	04/24/2006	0001	25.00 - 40.00	7600		F	#	500	-
	mg/L	0576	WL, I&E	04/24/2006	0001	15.00 - 30.00	6300		F	#	250	-
	mg/L	0577	WL, I&E	04/24/2006	0001	25.00 - 40.00	8500		F	#	250	-
	mg/L	0579	WL, I&E	04/24/2006	0001	25.00 - 40.00	7700		F	#	500	-
	mg/L	0596	WL	04/03/2006	0001	24.00 - 24.00	8000		F	#	250	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	7540		QF	#	61.2	-
	mg/L	0670	WL, EXT	04/03/2006	0001	15.90 - 45.90	8400			#	100	-
	mg/L	0671	WL, EXT	04/03/2006	0001	14.40 - 44.40	8900			#	250	-
	mg/L	0672	WL, EXT	04/03/2006	0001	15.00 - 45.00	9100			#	250	-
	mg/L	0673	WL, EXT	04/03/2006	0001	16.30 - 46.30	9800			#	250	-
	mg/L	0674	WL, EXT	04/03/2006	0001	15.10 - 45.10	9900			#	250	-
	mg/L	0674	WL, EXT	04/03/2006	0002	15.10 - 45.10	9900			#	250	-
	mg/L	0675	WL, EXT	04/03/2006	0001	16.00 - 46.00	9700			#	250	-
	mg/L	0676	WL, EXT	04/03/2006	0001	15.90 - 45.90	9700			#	250	-
	mg/L	0677	WL, EXT	04/03/2006	0001	15.20 - 45.20	10000			#	250	-
	mg/L	0678	WL, EXT	04/03/2006	0001	16.30 - 46.30	11000			#	250	-
	mg/L	0679	WL, EXT	04/03/2006	0001	15.00 - 45.00	10000			#	250	-
	mg/L	0682	WL	04/05/2006	0001	28.00 - 28.00	8600		F	#	250	-
	mg/L	0683	WL	04/05/2006	0001	27.00 - 27.00	9200		F	#	250	-
	mg/L	0683	WL	04/05/2006	0002	27.00 - 27.00	9300		F	#	100	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	8810		F	#	122	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	8900		F	#	122	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	9310		F	#	61.2	-
	mg/L	0688	WL	04/05/2006	0001	31.00 - 31.00	9700		F	#	250	-
	mg/L	0688	WL	04/05/2006	0001	39.00 - 39.00	10000		F	#	250	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0689	WL	04/05/2006	0001	46.00 - 46.00	8500		F	#	50	-
	mg/L	0689	WL	04/05/2006	0001	54.00 - 54.00	9000		F	#	50	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	5260		QF	#	61.2	-
	mg/L	0692	WL, PZ	04/18/2006	0001	9.60 - 9.60	9250		QF	#	61.2	-
	mg/L	SMI-PW01	WL	04/06/2006	0001	40.00 - 40.00	9900		F	#	100	-
	mg/L	SMI-PZ1D2	WL	04/06/2006	0001	69.75 - 74.75	7600		F	#	50	-
	mg/L	SMI-PZ1M	WL	04/06/2006	0001	57.00 - 57.00	17000		F	#	250	-
	mg/L	SMI-PZ1S	WL	04/06/2006	0001	18.00 - 18.00	6900		F	#	100	-
Temperature	C	0216	SL, RIV	04/19/2006	N001	0.00 - 0.00	14.19			#	-	-
	C	0242	SL, RIV	04/17/2006	N001	0.00 - 0.00	19.44			#	-	-
	C	0258	SL, RIV	04/17/2006	N001	0.00 - 0.00	16.79			#	-	-
	C	0401	WL	04/20/2006	N001	18.00 - 18.00	13.65		F	#	-	-
	C	0402	WL	04/24/2006	N001	17.00 - 17.00	12.56		F	#	-	-
	C	0403	WL	04/19/2006	N001	18.00 - 18.00	11.95		F	#	-	-
	C	0404	WL	04/05/2006	N001	18.00 - 18.00	16.48		F	#	-	-
	C	0405	WL	04/18/2006	N001	18.00 - 18.00	14.46		F	#	-	-
	C	0407	WL	04/19/2006	N001	17.00 - 17.00	14.15		F	#	-	-
	C	0408	WL	04/20/2006	N001	26.00 - 26.00	15.99		F	#	-	-
	C	0470	WL, EXT	04/03/2006	N001	18.00 - 18.00	15.05			#	-	-
	C	0471	WL, EXT	04/03/2006	N001	18.00 - 18.00	15.28			#	-	-
	C	0472	WL, EXT	04/03/2006	N001	18.00 - 18.00	15.26			#	-	-
	C	0473	WL, EXT	04/03/2006	N001	18.00 - 18.00	15.72			#	-	-
	C	0474	WL, EXT	04/03/2006	N001	18.00 - 18.00	15.52			#	-	-
	C	0475	WL, EXT	04/03/2006	N001	18.00 - 18.00	14.98			#	-	-
	C	0476	WL, EXT	04/03/2006	N001	18.00 - 18.00	14.91			#	-	-
	C	0477	WL, EXT	04/03/2006	N001	18.00 - 18.00	14.80			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0478	WL, EXT	04/03/2006	N001	23.00 - 23.00	15.38			#	-	-
	C	0479	WL, EXT	04/03/2006	N001	23.00 - 23.00	14.96			#	-	-
	C	0480	WL	04/04/2006	N001	18.00 - 18.00	19.11		F	#	-	-
	C	0481	WL	04/04/2006	N001	28.00 - 28.00	19.72		F	#	-	-
	C	0482	WL	04/04/2006	N001	58.00 - 58.00	19.95		F	#	-	-
	C	0483	WL	04/18/2006	N001	18.00 - 18.00	15.17		F	#	-	-
	C	0484	WL	04/04/2006	N001	28.00 - 28.00	18.79		F	#	-	-
	C	0485	WL	04/04/2006	N001	58.00 - 58.00	19.21		F	#	-	-
	C	0488	WL	04/06/2006	N001	39.00 - 39.00	13.90		F	#	-	-
	C	0488	WL	04/18/2006	N001	26.00 - 26.00	11.72		F	#	-	-
	C	0493	WL	04/06/2006	N001	54.00 - 54.00	12.52		F	#	-	-
	C	0494	WL, PZ	04/20/2006	N001	2.90 - 2.90	18.45		QF	#	-	-
	C	0495	WL, PZ	04/18/2006	N001	5.10 - 5.10	17.42		QF	#	-	-
	C	0547	TS, INFL	04/06/2006	N001	0.00 - 0.00	16.07			#	-	-
	C	0548	TS, EPND	04/06/2006	N001	0.00 - 0.00	15.52			#	-	-
	C	0557	WL	04/04/2006	N001	40.00 - 40.00	19.35		F	#	-	-
	C	0558	WL	04/04/2006	N001	36.00 - 36.00	21.70		F	#	-	-
	C	0559	WL	04/19/2006	N001	19.00 - 19.00	11.60		F	#	-	-
	C	0560	WL	04/04/2006	N001	31.00 - 31.00	16.28		F	#	-	-
	C	0561	WL	04/04/2006	N001	50.00 - 50.00	19.93		F	#	-	-
	C	0571	WL, I&E	04/24/2006	N001	37.00 - 37.00	16.08		F	#	-	-
	C	0573	WL, I&E	04/24/2006	N001	37.00 - 37.00	15.12		F	#	-	-
	C	0575	WL, I&E	04/24/2006	N001	37.00 - 37.00	16.05		F	#	-	-
	C	0576	WL, I&E	04/24/2006	N001	27.00 - 27.00	17.30		F	#	-	-
	C	0577	WL, I&E	04/24/2006	N001	37.00 - 37.00	17.60		F	#	-	-
	C	0579	WL, I&E	04/24/2006	N001	37.00 - 37.00	16.24		F	#	-	-

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0580	WL	04/20/2006	N001	18.00 - 18.00	11.97			#	-	-
	C	0581	WL	04/20/2006	N001	18.00 - 18.00	13.48			#	-	-
	C	0582	WL	04/20/2006	N001	18.00 - 18.00	12.08			#	-	-
	C	0583	WL	04/24/2006	N001	18.00 - 18.00	14.57			#	-	-
	C	0584	WL	04/20/2006	N001	18.00 - 18.00	14.44			#	-	-
	C	0585	WL	04/20/2006	N001	18.00 - 18.00	15.21			#	-	-
	C	0586	WL	04/20/2006	N001	18.00 - 18.00	16.49			#	-	-
	C	0587	WL	04/20/2006	N001	18.00 - 18.00	14.93			#	-	-
	C	0588	WL	04/20/2006	N001	34.00 - 34.00	15.14			#	-	-
	C	0589	WL	04/20/2006	N001	52.00 - 52.00	15.87			#	-	-
	C	0596	WL	04/03/2006	N001	24.00 - 24.00	15.90		F	#	-	-
	C	0597	WL, PZ	04/18/2006	N001	9.80 - 9.80	16.3		QF	#	-	-
	C	0600	WL	04/20/2006	N001	27.00 - 27.00	15.14		F	#	-	-
	C	0601	WL	04/20/2006	N001	27.00 - 27.00	16.19		F	#	-	-
	C	0670	WL, EXT	04/03/2006	N001	40.00 - 40.00	16.18			#	-	-
	C	0671	WL, EXT	04/03/2006	N001	40.00 - 40.00	15.85			#	-	-
	C	0672	WL, EXT	04/03/2006	N001	40.00 - 40.00	16.12			#	-	-
	C	0673	WL, EXT	04/03/2006	N001	40.00 - 40.00	16.19			#	-	-
	C	0674	WL, EXT	04/03/2006	N001	40.00 - 40.00	16.35			#	-	-
	C	0675	WL, EXT	04/03/2006	N001	40.00 - 40.00	16.32			#	-	-
	C	0676	WL, EXT	04/03/2006	N001	40.00 - 40.00	16.01			#	-	-
	C	0677	WL, EXT	04/03/2006	N001	40.00 - 40.00	16.26			#	-	-
	C	0678	WL, EXT	04/03/2006	N001	40.00 - 40.00	16.16			#	-	-
	C	0679	WL, EXT	04/03/2006	N001	40.00 - 40.00	16.17			#	-	-
	C	0682	WL	04/05/2006	N001	28.00 - 28.00	15.40		F	#	-	-
	C	0683	WL	04/05/2006	N001	27.00 - 27.00	15.62		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0686	WL	04/18/2006	N001	18.00 - 18.00	14.53		F	#	-	-
	C	0687	WL	04/18/2006	N001	28.00 - 28.00	14.70		F	#	-	-
	C	0688	WL	04/05/2006	N001	39.00 - 39.00	15.28		F	#	-	-
	C	0688	WL	04/05/2006	N001	31.00 - 31.00	17.00		F	#	-	-
	C	0689	WL	04/05/2006	N001	54.00 - 54.00	16.91		F	#	-	-
	C	0689	WL	04/05/2006	N001	46.00 - 46.00	19.28		F	#	-	-
	C	0691	WL, PZ	04/18/2006	N001	4.90 - 4.90	17.48		QF	#	-	-
	C	0692	WL, PZ	04/18/2006	N001	9.60 - 9.60	15.60		QF	#	-	-
	C	SMI-PW01	WL	04/06/2006	N001	40.00 - 40.00	12.16		F	#	-	-
	C	SMI-PZ1D2	WL	04/06/2006	N001	73.00 - 73.00	12.90		F	#	-	-
	C	SMI-PZ1M	WL	04/06/2006	N001	57.00 - 57.00	12.85		F	#	-	-
	C	SMI-PZ1S	WL	04/06/2006	N001	18.00 - 18.00	13.36		F	#	-	-
Total Dissolved Solids	mg/L	0216	SL, RIV	04/19/2006	0001	0.00 - 0.00	320			#	20	-
	mg/L	0242	SL, RIV	04/17/2006	0001	0.00 - 0.00	490			#	20	-
	mg/L	0258	SL, RIV	04/17/2006	0001	0.00 - 0.00	250			#	20	-
	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	1790		F	#	3.5	-
	mg/L	0404	WL	04/05/2006	0001	18.00 - 18.00	16000		F	#	400	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	12900		F	#	3.5	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	1910		F	#	3.5	-
	mg/L	0470	WL, EXT	04/03/2006	0001	10.30 - 19.70	20000			#	400	-
	mg/L	0471	WL, EXT	04/03/2006	0001	10.30 - 19.70	21000			#	400	-
	mg/L	0472	WL, EXT	04/03/2006	0001	10.30 - 19.70	17000			#	400	-
	mg/L	0473	WL, EXT	04/03/2006	0001	10.30 - 19.70	14000			#	400	-
	mg/L	0474	WL, EXT	04/03/2006	0001	10.30 - 19.70	15000			#	400	-
	mg/L	0475	WL, EXT	04/03/2006	0001	10.30 - 19.70	12000			#	400	-
	mg/L	0476	WL, EXT	04/03/2006	0001	10.30 - 19.70	9700			#	400	-

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0477	WL, EXT	04/03/2006	0001	10.30 - 19.70	11000			#	400	-
	mg/L	0478	WL, EXT	04/03/2006	0001	9.60 - 23.90	16000			#	400	-
	mg/L	0479	WL, EXT	04/03/2006	0001	9.30 - 23.60	13000			#	400	-
	mg/L	0480	WL	04/04/2006	0001	18.00 - 18.00	20000		F	#	400	-
	mg/L	0481	WL	04/04/2006	0001	28.00 - 28.00	21000		F	#	400	-
	mg/L	0482	WL	04/04/2006	0001	58.00 - 58.00	85000		F	#	2000	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	11800		F	#	3.5	-
	mg/L	0484	WL	04/04/2006	0001	28.00 - 28.00	25000		F	#	1000	-
	mg/L	0484	WL	04/04/2006	0002	28.00 - 28.00	25000		F	#	1000	-
	mg/L	0485	WL	04/04/2006	0001	58.00 - 58.00	88000		F	#	2000	-
	mg/L	0488	WL	04/06/2006	0001	39.00 - 39.00	18000		F	#	400	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	16200		F	#	3.5	-
	mg/L	0493	WL	04/06/2006	0001	54.00 - 54.00	36000		F	#	1000	-
	mg/L	0493	WL	04/06/2006	0002	54.00 - 54.00	36000		F	#	1000	-
	mg/L	0494	WL, PZ	04/20/2006	0001	2.90 - 2.90	46000		QF	#	1000	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	16200		QF	#	3.5	-
	mg/L	0547	TS, INFL	04/06/2006	0001	0.00 - 0.00	18000			#	400	-
	mg/L	0548	TS, EPND	04/06/2006	0001	0.00 - 0.00	23000			#	400	-
	mg/L	0557	WL	04/04/2006	0001	40.00 - 40.00	23000		F	#	1000	-
	mg/L	0558	WL	04/04/2006	0001	36.00 - 36.00	69000		F	#	2000	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	2050		F	#	3.5	-
	mg/L	0560	WL	04/04/2006	0001	31.00 - 31.00	69000		F	#	2000	-
	mg/L	0561	WL	04/04/2006	0001	50.00 - 50.00	85000		F	#	2000	-
	mg/L	0571	WL, I&E	04/24/2006	0001	25.00 - 40.00	70000		F	#	2000	-
	mg/L	0573	WL, I&E	04/24/2006	0001	25.00 - 40.00	39000		F	#	1000	-
	mg/L	0575	WL, I&E	04/24/2006	0001	25.00 - 40.00	33000		F	#	1000	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0576	WL, I&E	04/24/2006	0001	15.00 - 30.00	16000		F	#	400	-
	mg/L	0577	WL, I&E	04/24/2006	0001	25.00 - 40.00	27000		F	#	1000	-
	mg/L	0579	WL, I&E	04/24/2006	0001	25.00 - 40.00	32000		F	#	1000	-
	mg/L	0596	WL	04/03/2006	0001	24.00 - 24.00	26000		F	#	1000	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	12100		QF	#	3.5	-
	mg/L	0670	WL, EXT	04/03/2006	0001	15.90 - 45.90	15000			#	400	-
	mg/L	0671	WL, EXT	04/03/2006	0001	14.40 - 44.40	18000			#	400	-
	mg/L	0672	WL, EXT	04/03/2006	0001	15.00 - 45.00	20000			#	400	-
	mg/L	0673	WL, EXT	04/03/2006	0001	16.30 - 46.30	22000			#	1000	-
	mg/L	0674	WL, EXT	04/03/2006	0001	15.10 - 45.10	21000			#	1000	-
	mg/L	0674	WL, EXT	04/03/2006	0002	15.10 - 45.10	21000			#	400	-
	mg/L	0675	WL, EXT	04/03/2006	0001	16.00 - 46.00	21000			#	1000	-
	mg/L	0676	WL, EXT	04/03/2006	0001	15.90 - 45.90	18000			#	1000	-
	mg/L	0677	WL, EXT	04/03/2006	0001	15.20 - 45.20	20000			#	1000	-
	mg/L	0678	WL, EXT	04/03/2006	0001	16.30 - 46.30	21000			#	1000	-
	mg/L	0679	WL, EXT	04/03/2006	0001	15.00 - 45.00	20000			#	1000	-
	mg/L	0682	WL	04/05/2006	0001	28.00 - 28.00	16000		F	#	400	-
	mg/L	0683	WL	04/05/2006	0001	27.00 - 27.00	17000		F	#	400	-
	mg/L	0683	WL	04/05/2006	0002	27.00 - 27.00	17000		F	#	400	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	20100		F	#	3.5	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	20200		F	#	3.5	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	17300		F	#	3.5	-
	mg/L	0688	WL	04/05/2006	0001	31.00 - 31.00	18000		F	#	1000	-
	mg/L	0688	WL	04/05/2006	0001	39.00 - 39.00	25000		F	#	1000	-
	mg/L	0689	WL	04/05/2006	0001	46.00 - 46.00	46000		F	#	2000	-
	mg/L	0689	WL	04/05/2006	0001	54.00 - 54.00	75000		F	#	2000	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	12200		QF	#	3.5	-
	mg/L	0692	WL, PZ	04/18/2006	0001	9.60 - 9.60	16900		QF	#	3.5	-
	mg/L	SMI-PW01	WL	04/06/2006	0001	40.00 - 40.00	16000		F	#	400	-
	mg/L	SMI-PZ1D2	WL	04/06/2006	0001	69.75 - 74.75	82000		F	#	2000	-
	mg/L	SMI-PZ1M	WL	04/06/2006	0001	57.00 - 57.00	33000		F	#	1000	-
	mg/L	SMI-PZ1S	WL	04/06/2006	0001	18.00 - 18.00	12000		F	#	400	-
Total Inorganic Carbon	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	67.7		F	#	4.4	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	160		F	#	4.4	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	56.6		F	#	2.2	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	107		F	#	4.4	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	168		F	#	4.4	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	112		QF	#	4.4	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	133		F	#	4.4	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	188		QF	#	4.4	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	158		F	#	4.4	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	40.0		F	#	4.4	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	148		F	#	11.1	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	59.5		QF	#	11.1	-
Total Kjeldahl Nitrogen	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	78.0		F	#	0.46	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	366		F	#	0.23	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	11.8		F	#	0.93	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	361		F	#	0.46	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	691		F	#	0.46	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	227		QF	#	0.46	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	62.4		F	#	0.46	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	351		QF	#	0.23	-

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Total Kjeldahl Nitrogen	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	39.5		F	#	5.8	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	40.2		F	#	5.8	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	344		F	#	0.23	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	83.7		QF	#	0.23	-
Turbidity	NTU	0216	SL, RIV	04/19/2006	N001	0.00 - 0.00	1000	>		#	-	-
	NTU	0242	SL, RIV	04/17/2006	N001	0.00 - 0.00	218			#	-	-
	NTU	0258	SL, RIV	04/17/2006	N001	0.00 - 0.00	1000	>		#	-	-
	NTU	0401	WL	04/20/2006	N001	18.00 - 18.00	3.57		F	#	-	-
	NTU	0402	WL	04/24/2006	N001	17.00 - 17.00	0.90		F	#	-	-
	NTU	0403	WL	04/19/2006	N001	18.00 - 18.00	0.99		F	#	-	-
	NTU	0404	WL	04/05/2006	N001	18.00 - 18.00	1.32		F	#	-	-
	NTU	0405	WL	04/18/2006	N001	18.00 - 18.00	3.29		F	#	-	-
	NTU	0407	WL	04/19/2006	N001	17.00 - 17.00	4.54		F	#	-	-
	NTU	0408	WL	04/20/2006	N001	26.00 - 26.00	9.25		F	#	-	-
	NTU	0470	WL, EXT	04/03/2006	N001	18.00 - 18.00	0.95			#	-	-
	NTU	0471	WL, EXT	04/03/2006	N001	18.00 - 18.00	0.64			#	-	-
	NTU	0472	WL, EXT	04/03/2006	N001	18.00 - 18.00	1.12			#	-	-
	NTU	0473	WL, EXT	04/03/2006	N001	18.00 - 18.00	1.06			#	-	-
	NTU	0474	WL, EXT	04/03/2006	N001	18.00 - 18.00	1.06			#	-	-
	NTU	0475	WL, EXT	04/03/2006	N001	18.00 - 18.00	0.52			#	-	-
	NTU	0476	WL, EXT	04/03/2006	N001	18.00 - 18.00	1.49			#	-	-
	NTU	0477	WL, EXT	04/03/2006	N001	18.00 - 18.00	1.39			#	-	-
	NTU	0478	WL, EXT	04/03/2006	N001	23.00 - 23.00	1.39			#	-	-
	NTU	0479	WL, EXT	04/03/2006	N001	23.00 - 23.00	0.82			#	-	-
	NTU	0480	WL	04/04/2006	N001	18.00 - 18.00	2.54		F	#	-	-
	NTU	0481	WL	04/04/2006	N001	28.00 - 28.00	3.62		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	0482	WL	04/04/2006	N001	58.00 - 58.00	7.57		F	#	-	-
	NTU	0483	WL	04/18/2006	N001	18.00 - 18.00	5.96		F	#	-	-
	NTU	0484	WL	04/04/2006	N001	28.00 - 28.00	9.34		F	#	-	-
	NTU	0485	WL	04/04/2006	N001	58.00 - 58.00	8.59		F	#	-	-
	NTU	0488	WL	04/06/2006	N001	39.00 - 39.00	6.18		F	#	-	-
	NTU	0488	WL	04/18/2006	N001	26.00 - 26.00	1.78		F	#	-	-
	NTU	0493	WL	04/06/2006	N001	54.00 - 54.00	11.2		F	#	-	-
	NTU	0494	WL, PZ	04/20/2006	N001	2.90 - 2.90	1000	>	QF	#	-	-
	NTU	0495	WL, PZ	04/18/2006	N001	5.10 - 5.10	1000	>	QF	#	-	-
	NTU	0547	TS, INFL	04/06/2006	N001	0.00 - 0.00	9.64			#	-	-
	NTU	0548	TS, EPND	04/06/2006	N001	0.00 - 0.00	9.64			#	-	-
	NTU	0557	WL	04/04/2006	N001	40.00 - 40.00	2.66		F	#	-	-
	NTU	0558	WL	04/04/2006	N001	36.00 - 36.00	1.97		F	#	-	-
	NTU	0559	WL	04/19/2006	N001	19.00 - 19.00	4.34		F	#	-	-
	NTU	0560	WL	04/04/2006	N001	31.00 - 31.00	3.48		F	#	-	-
	NTU	0561	WL	04/04/2006	N001	50.00 - 50.00	9.12		F	#	-	-
	NTU	0571	WL, I&E	04/24/2006	N001	37.00 - 37.00	5.89		F	#	-	-
	NTU	0573	WL, I&E	04/24/2006	N001	37.00 - 37.00	3.89		F	#	-	-
	NTU	0575	WL, I&E	04/24/2006	N001	37.00 - 37.00	40.1		F	#	-	-
	NTU	0576	WL, I&E	04/24/2006	N001	27.00 - 27.00	462		F	#	-	-
	NTU	0577	WL, I&E	04/24/2006	N001	37.00 - 37.00	2.48		F	#	-	-
	NTU	0579	WL, I&E	04/24/2006	N001	37.00 - 37.00	3.99		F	#	-	-
	NTU	0580	WL	04/20/2006	N001	18.00 - 18.00	4.90			#	-	-
	NTU	0581	WL	04/20/2006	N001	18.00 - 18.00	47.9			#	-	-
	NTU	0582	WL	04/20/2006	N001	18.00 - 18.00	2.60			#	-	-
	NTU	0583	WL	04/24/2006	N001	18.00 - 18.00	4.60			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	0584	WL	04/20/2006	N001	18.00 - 18.00	12.1			#	-	-
	NTU	0585	WL	04/20/2006	N001	18.00 - 18.00	2.83			#	-	-
	NTU	0586	WL	04/20/2006	N001	18.00 - 18.00	9.33			#	-	-
	NTU	0587	WL	04/20/2006	N001	18.00 - 18.00	2.33			#	-	-
	NTU	0588	WL	04/20/2006	N001	34.00 - 34.00	1.23			#	-	-
	NTU	0589	WL	04/20/2006	N001	52.00 - 52.00	577			#	-	-
	NTU	0596	WL	04/03/2006	N001	24.00 - 24.00	2.54		F	#	-	-
	NTU	0597	WL, PZ	04/18/2006	N001	9.80 - 9.80	342		QF	#	-	-
	NTU	0600	WL	04/20/2006	N001	27.00 - 27.00	2.53		F	#	-	-
	NTU	0601	WL	04/20/2006	N001	27.00 - 27.00	8.28		F	#	-	-
	NTU	0670	WL, EXT	04/03/2006	N001	40.00 - 40.00	2.30			#	-	-
	NTU	0671	WL, EXT	04/03/2006	N001	40.00 - 40.00	1.11			#	-	-
	NTU	0672	WL, EXT	04/03/2006	N001	40.00 - 40.00	1.03			#	-	-
	NTU	0673	WL, EXT	04/03/2006	N001	40.00 - 40.00	4.65			#	-	-
	NTU	0674	WL, EXT	04/03/2006	N001	40.00 - 40.00	0.77			#	-	-
	NTU	0675	WL, EXT	04/03/2006	N001	40.00 - 40.00	2.95			#	-	-
	NTU	0676	WL, EXT	04/03/2006	N001	40.00 - 40.00	1.48			#	-	-
	NTU	0677	WL, EXT	04/03/2006	N001	40.00 - 40.00	1.99			#	-	-
	NTU	0678	WL, EXT	04/03/2006	N001	40.00 - 40.00	1.85			#	-	-
	NTU	0679	WL, EXT	04/03/2006	N001	40.00 - 40.00	0.85			#	-	-
	NTU	0682	WL	04/05/2006	N001	28.00 - 28.00	3.61		F	#	-	-
	NTU	0683	WL	04/05/2006	N001	27.00 - 27.00	4.86		F	#	-	-
	NTU	0686	WL	04/18/2006	N001	18.00 - 18.00	2.48		F	#	-	-
	NTU	0687	WL	04/18/2006	N001	28.00 - 28.00	3.99		F	#	-	-
	NTU	0688	WL	04/05/2006	N001	31.00 - 31.00	1.77		F	#	-	-
	NTU	0688	WL	04/05/2006	N001	39.00 - 39.00	3.99		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	0689	WL	04/05/2006	N001	46.00 - 46.00	2.15		F	#	-	-
	NTU	0689	WL	04/05/2006	N001	54.00 - 54.00	7.21		F	#	-	-
	NTU	0691	WL, PZ	04/18/2006	N001	4.90 - 4.90	1000	>	QF	#	-	-
	NTU	0692	WL, PZ	04/18/2006	N001	9.60 - 9.60	496		QF	#	-	-
	NTU	SMI-PW01	WL	04/06/2006	N001	40.00 - 40.00	6.72		F	#	-	-
	NTU	SMI-PZ1D2	WL	04/06/2006	N001	73.00 - 73.00	7.04		F	#	-	-
	NTU	SMI-PZ1M	WL	04/06/2006	N001	57.00 - 57.00	2.04		F	#	-	-
	NTU	SMI-PZ1S	WL	04/06/2006	N001	18.00 - 18.00	3.15		F	#	-	-
Uranium	mg/L	0216	SL, RIV	04/19/2006	0001	0.00 - 0.00	0.0032			#	3.4E-06	-
	mg/L	0242	SL, RIV	04/17/2006	0001	0.00 - 0.00	0.0036			#	3.4E-06	-
	mg/L	0258	SL, RIV	04/17/2006	0001	0.00 - 0.00	0.0023			#	3.4E-06	-
	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	0.305		F	#	0.00021	-
	mg/L	0404	WL	04/05/2006	0001	18.00 - 18.00	2.500		F	#	0.00024	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	1.820		F	#	0.00021	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	0.169		F	#	0.00021	-
	mg/L	0470	WL, EXT	04/03/2006	0001	10.30 - 19.70	3.200			#	0.00024	-
	mg/L	0471	WL, EXT	04/03/2006	0001	10.30 - 19.70	2.700			#	0.00024	-
	mg/L	0472	WL, EXT	04/03/2006	0001	10.30 - 19.70	2.500			#	0.00024	-
	mg/L	0473	WL, EXT	04/03/2006	0001	10.30 - 19.70	2.400			#	0.00024	-
	mg/L	0474	WL, EXT	04/03/2006	0001	10.30 - 19.70	2.700			#	0.00024	-
	mg/L	0475	WL, EXT	04/03/2006	0001	10.30 - 19.70	2.200			#	0.00024	-
	mg/L	0476	WL, EXT	04/03/2006	0001	10.30 - 19.70	2.000			#	0.00024	-
	mg/L	0477	WL, EXT	04/03/2006	0001	10.30 - 19.70	2.200			#	0.00024	-
	mg/L	0478	WL, EXT	04/03/2006	0001	9.60 - 23.90	2.400			#	0.00024	-
	mg/L	0479	WL, EXT	04/03/2006	0001	9.30 - 23.60	2.300			#	0.00024	-
	mg/L	0480	WL	04/04/2006	0001	18.00 - 18.00	2.900		F	#	0.00024	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0481	WL	04/04/2006	0001	28.00 - 28.00	3.200		F	#	0.00024	-
	mg/L	0482	WL	04/04/2006	0001	58.00 - 58.00	0.830		F	#	2.4E-05	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	1.050		F	#	0.00021	-
	mg/L	0484	WL	04/04/2006	0001	28.00 - 28.00	3.100		F	#	0.00024	-
	mg/L	0484	WL	04/04/2006	0002	28.00 - 28.00	3.000		F	#	0.00024	-
	mg/L	0485	WL	04/04/2006	0001	58.00 - 58.00	0.590		F	#	0.00024	-
	mg/L	0488	WL	04/06/2006	0001	39.00 - 39.00	2.500		F	#	0.00024	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	2.040		F	#	0.00021	-
	mg/L	0493	WL	04/06/2006	0001	54.00 - 54.00	3.400		F	#	0.00024	-
	mg/L	0493	WL	04/06/2006	0002	54.00 - 54.00	3.400		F	#	0.00024	-
	mg/L	0495	WL, PZ	04/18/2006	0001	5.10 - 5.10	4.090		QF	#	0.00021	-
	mg/L	0547	TS, INFL	04/06/2006	0001	0.00 - 0.00	2.600			#	0.00024	-
	mg/L	0548	TS, EPND	04/06/2006	0001	0.00 - 0.00	3.100			#	0.00024	-
	mg/L	0557	WL	04/04/2006	0001	40.00 - 40.00	3.100		F	#	0.00024	-
	mg/L	0558	WL	04/04/2006	0001	36.00 - 36.00	1.400		F	#	0.00012	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	0.332		F	#	0.00021	-
	mg/L	0560	WL	04/04/2006	0001	31.00 - 31.00	1.500		F	#	0.00024	-
	mg/L	0561	WL	04/04/2006	0001	50.00 - 50.00	0.770		F	#	2.4E-05	-
	mg/L	0571	WL, I&E	04/24/2006	0001	25.00 - 40.00	1.400		F	#	0.00017	-
	mg/L	0573	WL, I&E	04/24/2006	0001	25.00 - 40.00	2.000		F	#	0.00017	-
	mg/L	0575	WL, I&E	04/24/2006	0001	25.00 - 40.00	1.900		F	#	0.00017	-
	mg/L	0576	WL, I&E	04/24/2006	0001	15.00 - 30.00	1.600		F	#	0.00017	-
	mg/L	0577	WL, I&E	04/24/2006	0001	25.00 - 40.00	2.200		F	#	0.00017	-
	mg/L	0579	WL, I&E	04/24/2006	0001	25.00 - 40.00	2.100		F	#	0.00017	-
	mg/L	0596	WL	04/03/2006	0001	24.00 - 24.00	2.000		F	#	0.00024	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	0.809		QF	#	0.00021	-

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0670	WL, EXT	04/03/2006	0001	15.90 - 45.90	2.600			#	0.00024	-
	mg/L	0671	WL, EXT	04/03/2006	0001	14.40 - 44.40	2.800			#	0.00024	-
	mg/L	0672	WL, EXT	04/03/2006	0001	15.00 - 45.00	2.500			#	0.00024	-
	mg/L	0673	WL, EXT	04/03/2006	0001	16.30 - 46.30	2.800			#	0.00024	-
	mg/L	0674	WL, EXT	04/03/2006	0001	15.10 - 45.10	2.800			#	0.00024	-
	mg/L	0674	WL, EXT	04/03/2006	0002	15.10 - 45.10	3.000			#	0.00024	-
	mg/L	0675	WL, EXT	04/03/2006	0001	16.00 - 46.00	2.800			#	0.00024	-
	mg/L	0676	WL, EXT	04/03/2006	0001	15.90 - 45.90	2.700			#	0.00024	-
	mg/L	0677	WL, EXT	04/03/2006	0001	15.20 - 45.20	3.200			#	0.00024	-
	mg/L	0678	WL, EXT	04/03/2006	0001	16.30 - 46.30	3.500			#	0.00024	-
	mg/L	0679	WL, EXT	04/03/2006	0001	15.00 - 45.00	3.500			#	0.00024	-
	mg/L	0682	WL	04/05/2006	0001	28.00 - 28.00	2.600		F	#	0.00024	-
	mg/L	0683	WL	04/05/2006	0001	27.00 - 27.00	2.800		F	#	0.00024	-
	mg/L	0683	WL	04/05/2006	0002	27.00 - 27.00	2.300		F	#	0.00024	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	4.180		F	#	0.00021	-
	mg/L	0686	WL	04/18/2006	0003	18.00 - 18.00	4.200		F	#	0.00021	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	2.570		F	#	0.00021	-
	mg/L	0688	WL	04/05/2006	0001	31.00 - 31.00	2.900		F	#	0.00024	-
	mg/L	0688	WL	04/05/2006	0001	39.00 - 39.00	3.200		F	#	0.00024	-
	mg/L	0689	WL	04/05/2006	0001	54.00 - 54.00	1.200		F	#	0.00012	-
	mg/L	0689	WL	04/05/2006	0001	46.00 - 46.00	2.100		F	#	0.00012	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	2.140		QF	#	0.00021	-
	mg/L	0692	WL, PZ	04/18/2006	0001	9.60 - 9.60	1.230		QF	#	0.00021	-
	mg/L	SMI-PW01	WL	04/06/2006	0001	40.00 - 40.00	2.600		F	#	0.00024	-
	mg/L	SMI-PZ1D2	WL	04/06/2006	0001	69.75 - 74.75	0.990		F	#	0.00024	-
	mg/L	SMI-PZ1M	WL	04/06/2006	0001	57.00 - 57.00	3.800		F	#	0.00024	-

Environmental Sciences Laboratory
Water Quality Data

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:47 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Biochemical Oxygen Dema	mg/L	0403	WL	04/19/2006	N001	18.00 - 18.00	2.0				0.1	-
	mg/L	0405	WL	04/18/2006	N001	18.00 - 18.00	1.41				0.1	-
	mg/L	0407	WL	04/19/2006	N001	17.00 - 17.00	3.59				0.1	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	1.63				0.1	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	4.42				0.1	-
	mg/L	0495	WL, PZ	04/19/2006	0001	5.10 - 5.10	0.03				0.1	-
	mg/L	0559	WL	04/19/2006	N001	19.00 - 19.00	2.51				0.1	-
	mg/L	0597	WL, PZ	04/18/2006	N001	9.80 - 9.80	-0.09	U			0.1	-
	mg/L	0686	WL	04/18/2006	N001	18.00 - 18.00	1.85				0.1	-
	mg/L	0687	WL	04/18/2006	N001	28.00 - 28.00	1.68				0.1	-
	mg/L	0691	WL, PZ	04/19/2006	N001	4.90 - 4.90	3.67				0.1	-
	mg/L	0692	WL, PZ	04/19/2006	N001	9.60 - 9.60	-0.2	U			0.1	-
Iron	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	0.05				0.03	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	0.03	U			0.03	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	0.03	U			0.03	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	0.04				0.03	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	0.03				0.03	-
	mg/L	0495	WL, PZ	04/19/2006	0001	5.10 - 5.10	0.03	U			0.03	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	0.03	U			0.03	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	0.85				0.03	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	0.08				0.03	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	0.03	U			0.03	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	0.03	U			0.03	-
	mg/L	0692	WL, PZ	04/19/2006	0001	9.60 - 9.60	0.03				0.03	-
Nitrifying Bacteria	cfu/mL	0403	WL	04/19/2006	N001	18.00 - 18.00	1000	U			1000	-
	cfu/mL	0405	WL	04/18/2006	N001	18.00 - 18.00	1000	U			1000	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:47 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Nitrifying Bacteria	cfu/mL	0407	WL	04/19/2006	N001	17.00 - 17.00	1000				1000	-
	cfu/mL	0483	WL	04/18/2006	0001	18.00 - 18.00	1000				1000	-
	cfu/mL	0488	WL	04/18/2006	N001	26.00 - 26.00	100000				1000	-
	cfu/mL	0495	WL, PZ	04/19/2006	N001	5.10 - 5.10	1000				1000	-
	cfu/mL	0559	WL	04/19/2006	N001	19.00 - 19.00	10000				1000	-
	cfu/mL	0597	WL, PZ	04/18/2006	N001	9.80 - 9.80	100000				1000	-
	cfu/mL	0686	WL	04/18/2006	N001	18.00 - 18.00	100000				1000	-
	cfu/mL	0687	WL	04/18/2006	N001	28.00 - 28.00	1000	U			1000	-
	cfu/mL	0691	WL, PZ	04/18/2006	N001	4.90 - 4.90	10000				1000	-
	cfu/mL	0692	WL, PZ	04/19/2006	N001	9.60 - 9.60	100000				1000	-
Nitrite as Nitrogen	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	0.005	U			0.005	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	0.007				0.005	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	0.007				0.005	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	0.027				0.005	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	0.070				0.005	-
	mg/L	0495	WL, PZ	04/19/2006	0001	5.10 - 5.10	0.013				0.005	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	0.009				0.005	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	1.38				0.005	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	0.113				0.005	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	0.007				0.005	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	0.454				0.005	-
	mg/L	0692	WL, PZ	04/19/2006	0001	9.60 - 9.60	5.20				0.005	-
ortho-Phosphate	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	0.3				0.3	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	0.3	U			0.3	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	0.7				0.3	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	0.3	U			0.3	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:47 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
ortho-Phosphate	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	0.3	U			0.3	-
	mg/L	0495	WL, PZ	04/19/2006	0001	5.10 - 5.10	0.8				0.3	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	0.3				0.3	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	0.3	U			0.3	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	0.3	U			0.3	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	0.3	U			0.3	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	0.3	U			0.3	-
	mg/L	0692	WL, PZ	04/19/2006	0001	9.60 - 9.60	0.3	U			0.3	-
Sulfate Reducing Bacteria	cfu/mL	0405	WL	04/18/2006	N001	18.00 - 18.00	5000				200	-
	cfu/mL	0407	WL	04/19/2006	N001	17.00 - 17.00	700000				200	-
	cfu/mL	0597	WL, PZ	04/18/2006	N001	9.80 - 9.80	5000				200	-
	cfu/mL	0686	WL	04/18/2006	N001	18.00 - 18.00	1200				200	-
	cfu/mL	0692	WL, PZ	04/19/2006	N001	9.60 - 9.60	200	U			200	-
Sulfide	mg/L	0403	WL	04/19/2006	0001	18.00 - 18.00	0.01	U			0.01	-
	mg/L	0405	WL	04/18/2006	0001	18.00 - 18.00	0.01	U			0.01	-
	mg/L	0407	WL	04/19/2006	0001	17.00 - 17.00	0.01	U			0.01	-
	mg/L	0483	WL	04/18/2006	0001	18.00 - 18.00	0.01				0.01	-
	mg/L	0488	WL	04/18/2006	0001	26.00 - 26.00	0.02				0.01	-
	mg/L	0495	WL, PZ	04/19/2006	0001	5.10 - 5.10	0.02				0.01	-
	mg/L	0559	WL	04/19/2006	0001	19.00 - 19.00	0.01				0.01	-
	mg/L	0597	WL, PZ	04/18/2006	0001	9.80 - 9.80	0.01	U			0.01	-
	mg/L	0686	WL	04/18/2006	0001	18.00 - 18.00	0.01	U			0.01	-
	mg/L	0687	WL	04/18/2006	0001	28.00 - 28.00	0.01	U			0.01	-
	mg/L	0691	WL, PZ	04/18/2006	0001	4.90 - 4.90	0.01				0.01	-
	mg/L	0692	WL, PZ	04/19/2006	0001	9.60 - 9.60	0.01	U			0.01	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:47 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND (quality_assurance IS NULL OR quality_assurance = FALSE) AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND cas in('00010-26-4','07439-89-6','NITRIF BACTE','NITRITE AS N','00011-36-9','SULF RED BAC','SULFIDE') AND DATE_SAMPLED between #4/1/2006# and #4/30/2006#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LOCATION SUBTYPES: PZ Piezometer

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
+	Correlation coefficient for MSA < 0.995.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
M	GFAA duplicate injection precision not met.
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
P	> 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
S	Result determined by method of standard addition (MSA).
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Y	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Z	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.	J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique	R	Unusable result.
U	Parameter analyzed for but was not detected.	X	Location is undefined.		

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:56 pm

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	SMI-PZ1S	WL	04/06/2006	0001	18.00 - 18.00	1.400		F	#	0.00024	-

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #4/1/2006# and #4/30/2006#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: SL SURFACE LOCATION TS TREATMENT SYSTEM WL WELL

LOCATION SUBTYPES:

EPND	Evaporation Pond	EXT	Extraction Well	I&E	Dual Purpose Injection and Ex INFL	Treatment System Influent
PZ	Piezometer	RIV	River			

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
+	Correlation coefficient for MSA < 0.995.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
M	GFAA duplicate injection precision not met.
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
P	> 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
S	Result determined by method of standard addition (MSA).
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Y	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Z	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.	J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique	R	Unusable result.
U	Parameter analyzed for but was not detected.	X	Location is undefined.		

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

Water Level Data

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:59 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
			DATE	TIME			
0401	O	3969.60	04/20/2006	15:48	15.09	3954.51	
0402	O	3968.63	04/24/2006	08:48	14.36	3954.27	
0403	O	3968.95	04/19/2006	09:13	14.75	3954.20	
0404	O	3968.30	04/05/2006	10:50	14.83	3953.47	
0405	O	3968.47	04/18/2006	09:41	13.08	3955.39	
0407	O	3969.09	04/19/2006	10:12	14.74	3954.35	
0408	O	3969.17	04/20/2006	15:27	14.72	3954.45	
0470		3964.12	04/03/2006	09:25	13.96	3950.16	
0471		3964.37	04/03/2006	09:35	14.38	3949.99	
0472		3964.40	04/03/2006	10:10	14.38	3950.02	
0473		3964.66	04/03/2006	10:28	14.96	3949.70	
0474		3964.99	04/03/2006	10:35	13.54	3951.45	
0475		3964.97	04/03/2006	10:45	15.38	3949.59	
0476		3965.24	04/03/2006	10:55	16.38	3948.86	
0477		3965.08	04/03/2006	11:05	14.73	3950.35	
0478		3964.91	04/03/2006	11:15	16.75	3948.16	
0479		3964.67	04/03/2006	11:20	13.65	3951.02	
0480		3968.65	04/04/2006	14:05	16.85	3951.80	
0481		3968.83	04/04/2006	14:37	15.97	3952.86	
0482		3968.70	04/04/2006	15:45	16.56	3952.14	
0483		3968.90	04/18/2006	15:20	15.20	3953.70	
0484		3969.19	04/04/2006	10:50	16.67	3952.52	
0485		3968.81	04/04/2006	13:30	16.13	3952.68	
0488		3968.48	04/06/2006	10:35	14.23	3954.25	
		3968.48	04/18/2006	08:06	13.02	3955.46	
0493		3967.89	04/06/2006	11:05	13.75	3954.14	
0494		3959.27	04/17/2006	10:08	3.94	3955.33	
0495		3957.81	04/17/2006	10:32	2.39	3955.42	
0557		3968.85	04/04/2006	15:10	15.49	3953.36	
0558		3968.79	04/04/2006	11:25	16.29	3952.50	

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:59 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
			DATE	TIME			
0559		3969.92	04/19/2006	08:20	15.45	3954.47	
0560		3968.77	04/04/2006	08:35	15.90	3952.87	
0561		3968.56	04/04/2006	09:47	16.29	3952.27	
0571		3964.89	04/24/2006	11:12	32.14	3932.75	
0573		3965.15	04/24/2006	09:26	30.61	3934.54	
0575		3965.01	04/24/2006	12:05	18.73	3946.28	
0576		3965.15	04/24/2006	11:40	26.91	3938.24	
0577		3965.10	04/24/2006	12:20	16.71	3948.39	
0579		3965.11	04/24/2006	13:02	22.39	3942.72	
0580		3969.32	04/20/2006	08:15	15.19	3954.13	
0581		3969.02	04/20/2006	08:49	14.74	3954.28	
0582		3969.65	04/20/2006	09:15	15.13	3954.52	
0583		3969.64	04/24/2006	08:23	15.23	3954.41	
0584		3969.13	04/20/2006	10:19	14.57	3954.56	
0585		3969.36	04/20/2006	14:54	14.71	3954.65	
0586		3969.20	04/20/2006	16:05	14.63	3954.57	
0587		3968.89	04/20/2006	11:38	14.33	3954.56	
0588		3968.82	04/20/2006	11:10	14.53	3954.29	
0589		3968.87	04/20/2006	10:45	14.15	3954.72	
0596		3968.76	04/03/2006	16:20	16.40	3952.36	
0597		3959.67	04/17/2006	10:17	4.46	3955.21	
0600		3968.77	04/20/2006	09:00	14.50	3954.27	
0601		3968.73	04/20/2006	15:12	14.26	3954.47	
0670		3969.54	04/03/2006	13:45	16.36	3953.18	
0671		3969.50	04/03/2006	13:50	16.45	3953.05	
0672		3969.57	04/03/2006	14:00	16.71	3952.86	
0673		3969.44	04/03/2006	14:05	16.55	3952.89	
0674		3969.49	04/03/2006	14:25	16.49	3953.00	
0675		3969.64	04/03/2006	14:40	16.46	3953.18	
0676		3969.69	04/03/2006	14:48	16.27	3953.42	

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 7/24/2006 3:59 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
			DATE	TIME			
0677		3969.61	04/03/2006	15:08	16.22	3953.39	
0678		3969.65	04/03/2006	15:23	16.21	3953.44	
0679		3969.59	04/03/2006	15:38	16.11	3953.48	
0682		3970.18	04/05/2006	11:30	16.69	3953.49	
0683		3970.73	04/05/2006	12:00	16.94	3953.79	
0686		3968.85	04/18/2006	13:46	14.05	3954.80	
0687		3969.09	04/18/2006	10:47	14.49	3954.60	
0688		3968.66	04/04/2006	08:00	15.18	3953.48	
		3968.66	04/05/2006	08:40	15.19	3953.47	
0689		3968.66	04/05/2006	09:20	15.10	3953.56	
0690		3958.92	04/17/2006	11:34		-	D
0691		3959.21	04/17/2006	11:40	4.23	3954.98	
0692		3959.43	04/17/2006	11:50	5.02	3954.41	
SMI-PW01	O	3968.45	04/06/2006	09:58	13.97	3954.48	
SMI-PZ1D	O	3968.38	04/06/2006	09:20	14.59	3953.79	
SMI-PZ1M	O	3968.29	04/06/2006	08:32	13.80	3954.49	
SMI-PZ1S	O	3969.13	04/06/2006	08:00	14.88	3954.25	

RECORDS: SELECTED FROM USEE700 WHERE site_code='MOA01' AND LOG_DATE between #4/1/2006# and #4/30/2006#

FLOW CODES: O ON-SITE

WATER LEVEL FLAGS:
D Dry

Blanks Report

BLANKS REPORT
LAB CODE: MSP, MICROSEEPS LABORATORY (Pittsburgh, PA)
LAB REQUISITION(S): 06040343
REPORT DATE: 07/24/06 12:54:54: PM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	SAMPLE ID	UNITS	RESULT	QUALIFIERS LAB	QUALIFIERS DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE
Carbon Dioxide	MOA01	0999	04/19/2006	0004	mg/L	5	U		0.53		E
Dissolved Oxygen	MOA01	0999	04/19/2006	0004	mg/L	11			0.07		E
Iron (II)	MOA01	0999	04/19/2006	0004	mg/L	1	UM		0.1		E
Manganese (II)	MOA01	0999	04/19/2006	0004	mg/L	1	UM	J	0		E
Methane	MOA01	0999	04/19/2006	0004	ug/L	0.42			0.011		E
Nitrogen, Total	MOA01	0999	04/19/2006	0004	mg/L	21			0.06		E

BLANKS REPORT
LAB CODE: PAR, PARAGON (Fort Collins, CO)
LAB REQUISITION(S): 06030337
REPORT DATE: 07/24/06 01:05:33: PM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	SAMPLE ID	UNITS	RESULT	QUALIFIERS LAB	QUALIFIERS DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE
Ammonia Total as N	MOA01	0999	04/05/2006	0001	mg/L	0.1	U		0.1		E
Ammonia Total as N	MOA01	0999	04/19/2006	0001	mg/L	0.1	U		0.1		E
Ammonia Total as N	MOA01	0999	04/19/2006	0002	mg/L	0.1	U		0.1		E
Bromide	MOA01	0999	04/05/2006	0001	mg/L	0.2	U		0.2		E
Bromide	MOA01	0999	04/19/2006	0001	mg/L	0.2	U		0.2		E
Bromide	MOA01	0999	04/19/2006	0002	mg/L	0.2	U		0.2		E
Chloride	MOA01	0999	04/05/2006	0001	mg/L	0.2			0.2		E
Chloride	MOA01	0999	04/19/2006	0001	mg/L	0.2	U		0.2		E
Chloride	MOA01	0999	04/19/2006	0002	mg/L	0.2	U		0.2		E
Sulfate	MOA01	0999	04/05/2006	0001	mg/L	0.72			0.5		E
Sulfate	MOA01	0999	04/19/2006	0001	mg/L	0.5	U		0.5		E
Sulfate	MOA01	0999	04/19/2006	0002	mg/L	0.5	U		0.5		E
Total Dissolved Solids	MOA01	0999	04/05/2006	0001	mg/L	31			20		E
Total Dissolved Solids	MOA01	0999	04/19/2006	0001	mg/L	20	U		20		E
Total Dissolved Solids	MOA01	0999	04/19/2006	0002	mg/L	20	U		20		E
Uranium	MOA01	0999	04/05/2006	0001	mg/L	0.000034	B	U	0.0000024		E
Uranium	MOA01	0999	04/19/2006	0001	mg/L	0.000051	B	U	0.0000034		E
Uranium	MOA01	0999	04/19/2006	0002	mg/L	0.00004	B	U	0.0000034		E

BLANKS REPORT
LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)
LAB REQUISITION(S): 06040342
REPORT DATE: 07/24/06 01:57:26: PM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	ID	UNITS	RESULT	QUALIFIERS LAB	QUALIFIERS DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE
Ammonia Total as N	MOA01	0999	04/19/2006	0003	mg/L	0.0055	U		0.0055		E
Bromide	MOA01	0999	04/19/2006	0003	mg/L	0.026	U	J	0.026		E
Chemical Oxygen Demand	MOA01	0999	04/19/2006	0003	mg/L	20		J	9.2		E
Chloride	MOA01	0999	04/19/2006	0003	mg/L	0.063	U		0.063		E
Dissolved Organic Carbon	MOA01	0999	04/19/2006	N003	mg/L	9.4			2.4		E
Iron	MOA01	0999	04/19/2006	0003	mg/L	0.025	U		0.025		E
Manganese	MOA01	0999	04/19/2006	0003	mg/L	0.00034	U		0.00034		E
Nitrate + Nitrite as Nitrogen	MOA01	0999	04/19/2006	0003	mg/L	0.0031	U	J	0.0031		E
Phosphorus	MOA01	0999	04/19/2006	0003	mg/L	0.0114	B		0.0101		E
Selenium	MOA01	0999	04/19/2006	0003	mg/L	0.001	U		0.001		E
Sulfate	MOA01	0999	04/19/2006	0003	mg/L	0.12	B		0.061		E
Total Dissolved Solids	MOA01	0999	04/19/2006	0003	mg/L	3.5	U		3.5		E
Total Inorganic Carbon	MOA01	0999	04/19/2006	0003	mg/L	0.22	U		0.22		E
Total Kjeldahl Nitrogen	MOA01	0999	04/19/2006	0003	mg/L	0.25			0.058		E
Uranium	MOA01	0999	04/19/2006	0003	mg/L	0.00043	B		0.00021		E

BLANKS REPORT
LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)
LAB REQUISITION(S): 06040342
REPORT DATE: 07/24/06 01:57:26: PM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	ID	UNITS	RESULT	QUALIFIERS LAB	QUALIFIERS DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
+	Correlation coefficient for MSA < 0.995.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
Z	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
C	Pesticide result confirmed by GC-MS.
M	GFAA duplicate injection precision not met.
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
S	Result determined by method of standard addition (MSA).
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
D	Analyte determined in diluted sample.
P	> 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
X	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Y	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
>	Result above upper detection limit.
J	Estimated

DATA QUALIFIERS:

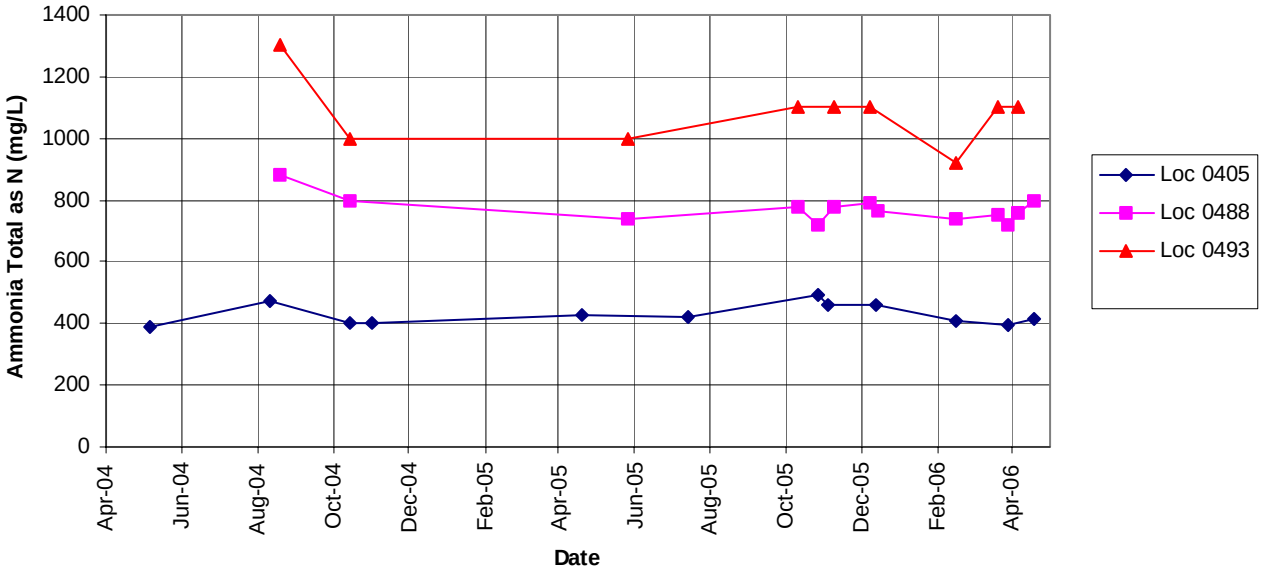
J	Estimated value.	F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.
L	Less than 3 bore volumes purged prior to sampling.	R	Unusable result.	X	Location is undefined.
U	Parameter analyzed for but was not detected.	Q	Qualitative result due to sampling technique		

SAMPLE TYPES:

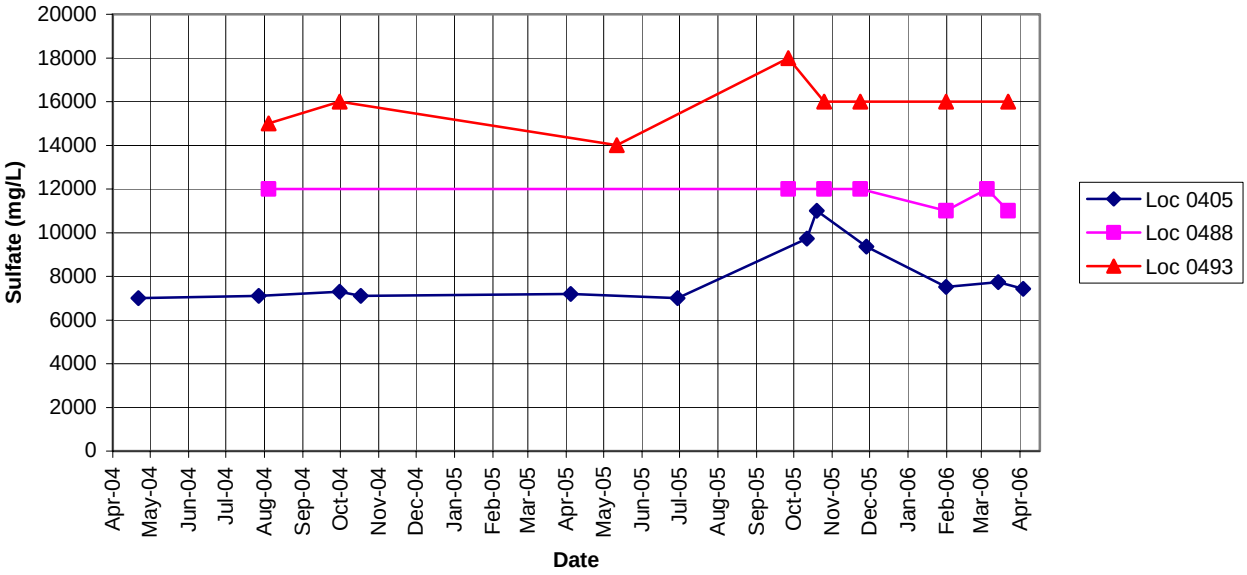
E	EQUIPMENT BLANK

Time Versus Concentration Graphs

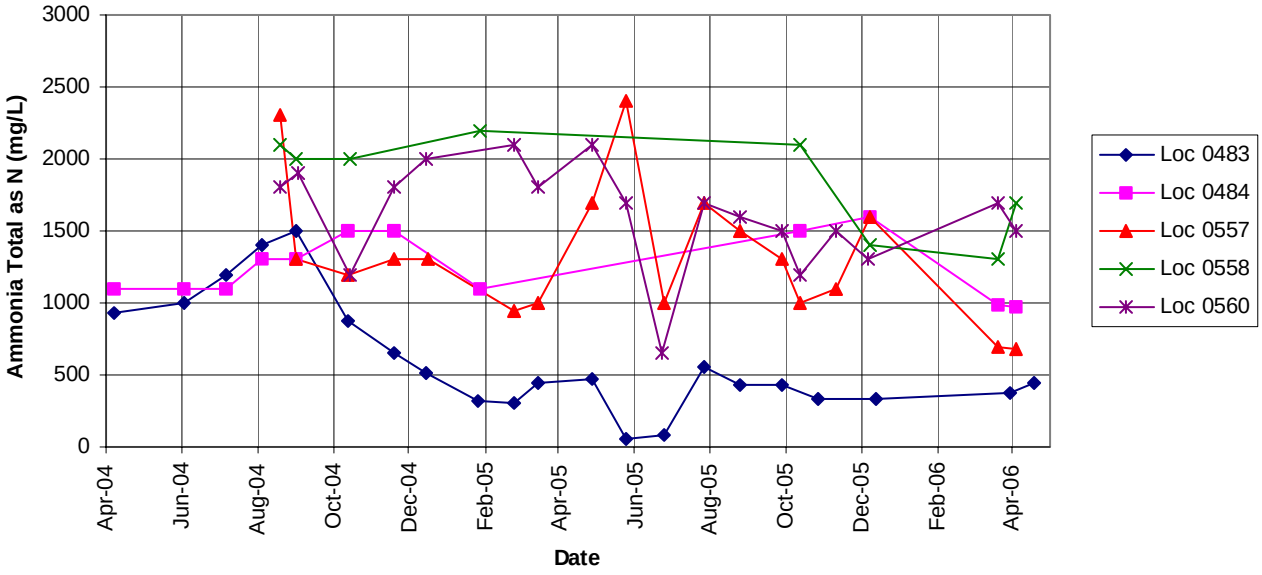
Moab Site
Baseline Area
Ammonia Total as N Concentration



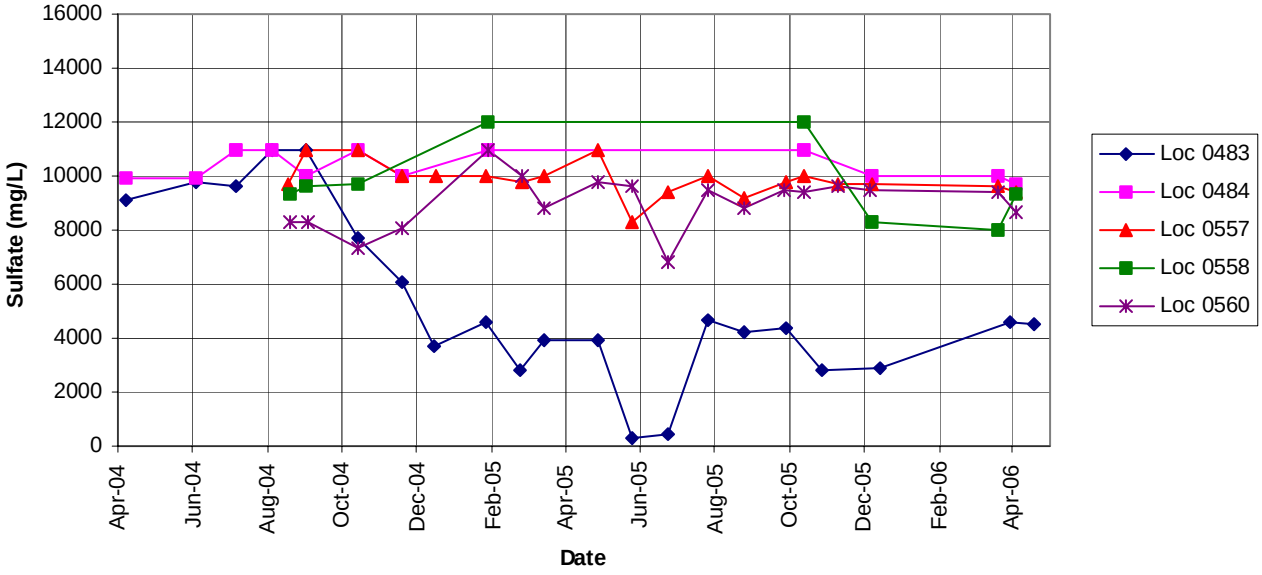
Moab Site
Baseline Area
Sulfate Concentration



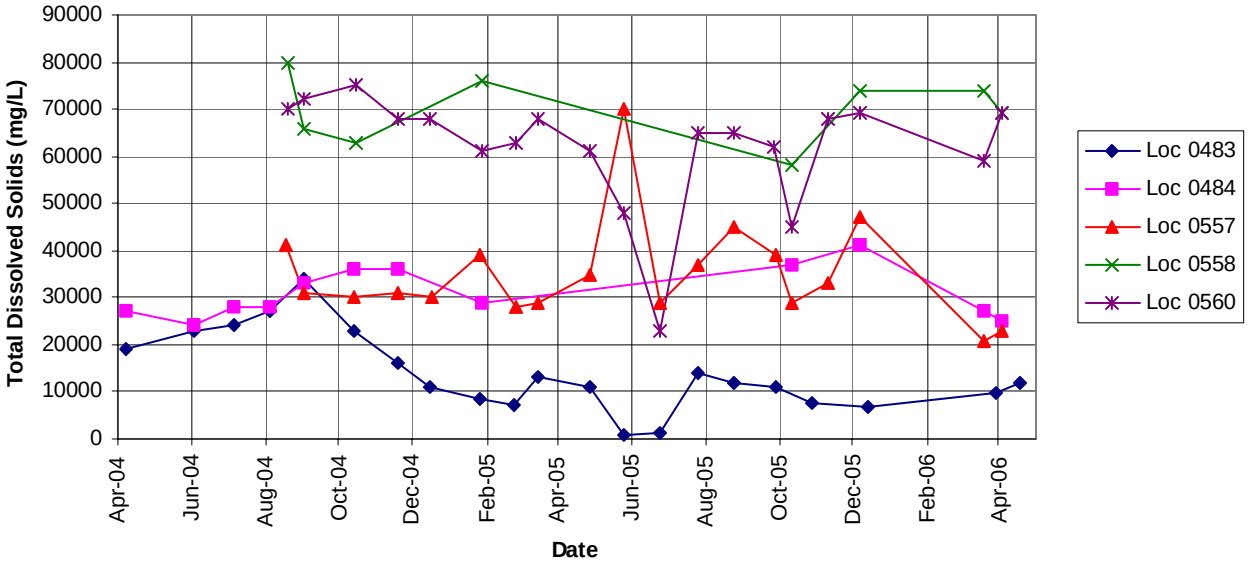
Moab Site
Configuration 1 Observation Wells
Ammonia Total as N



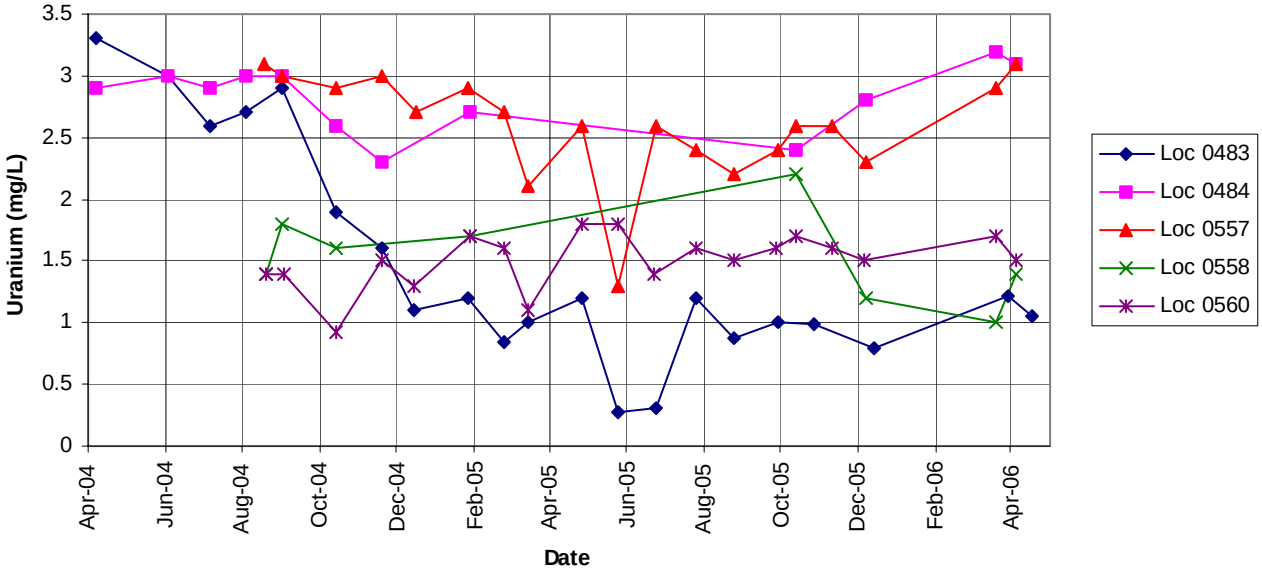
Moab Site
Configuration 1 Observation Wells
Sulfate



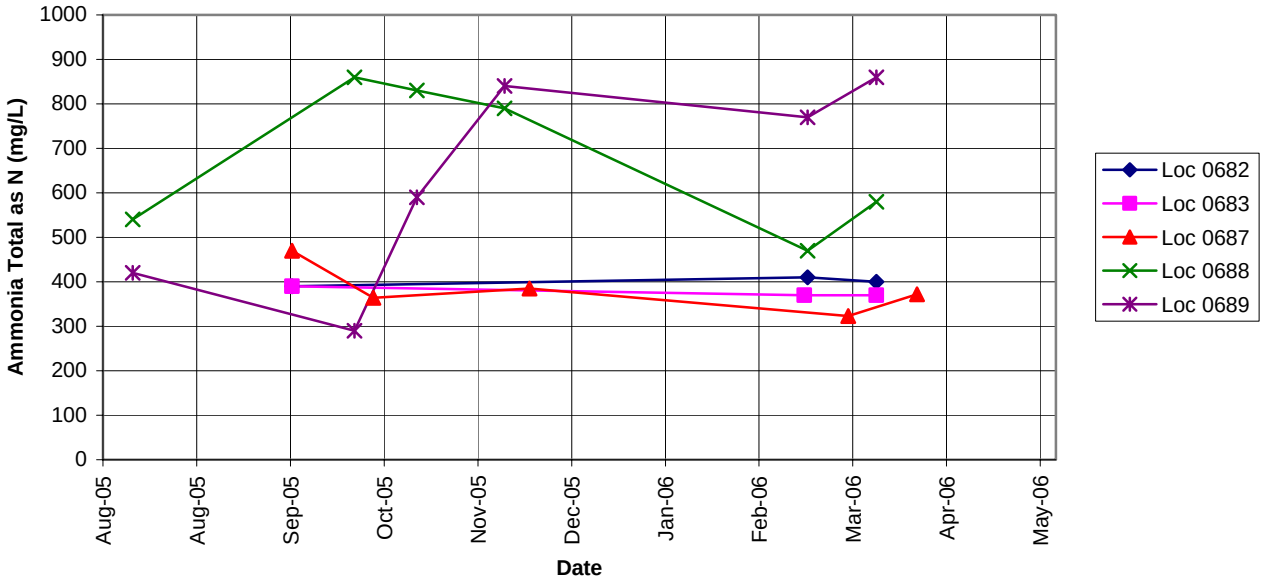
Moab Site
Configuration 1 Observation Wells
Total Dissolved Solids



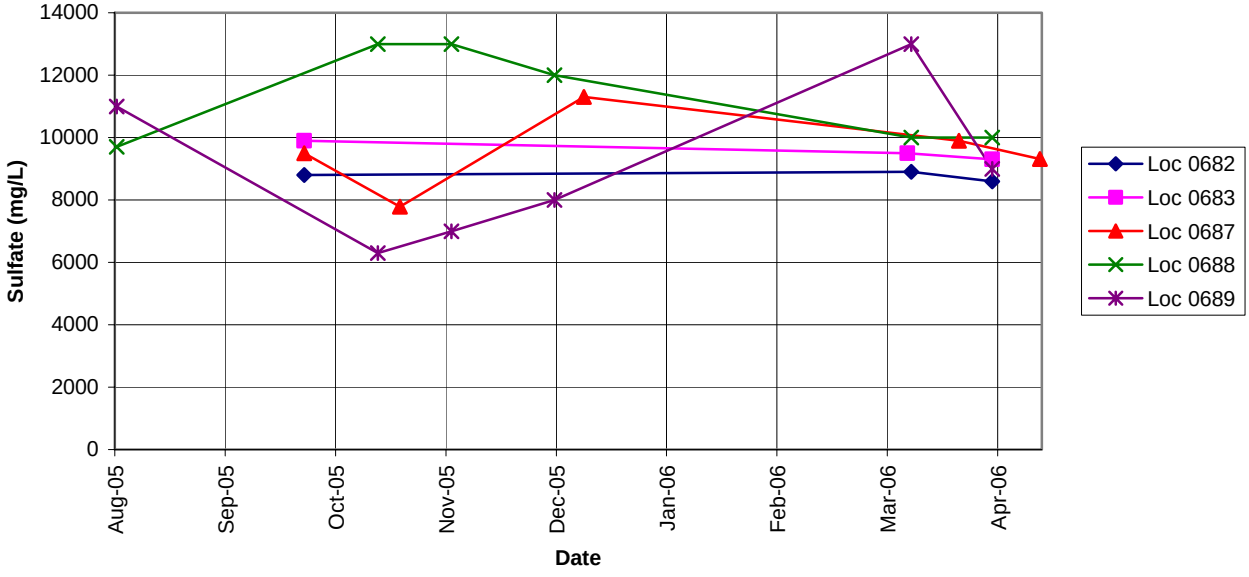
Moab Site
Configuration 1 Observation Wells
Uranium



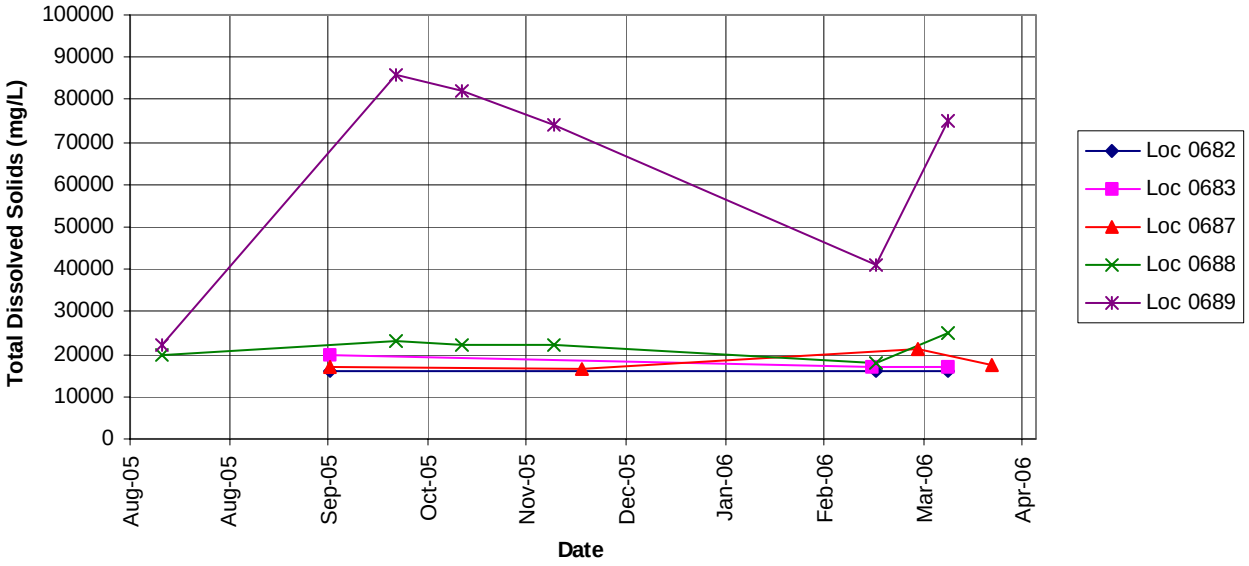
Moab Site
Configuration 3 Observation Wells
Ammonia Total as N



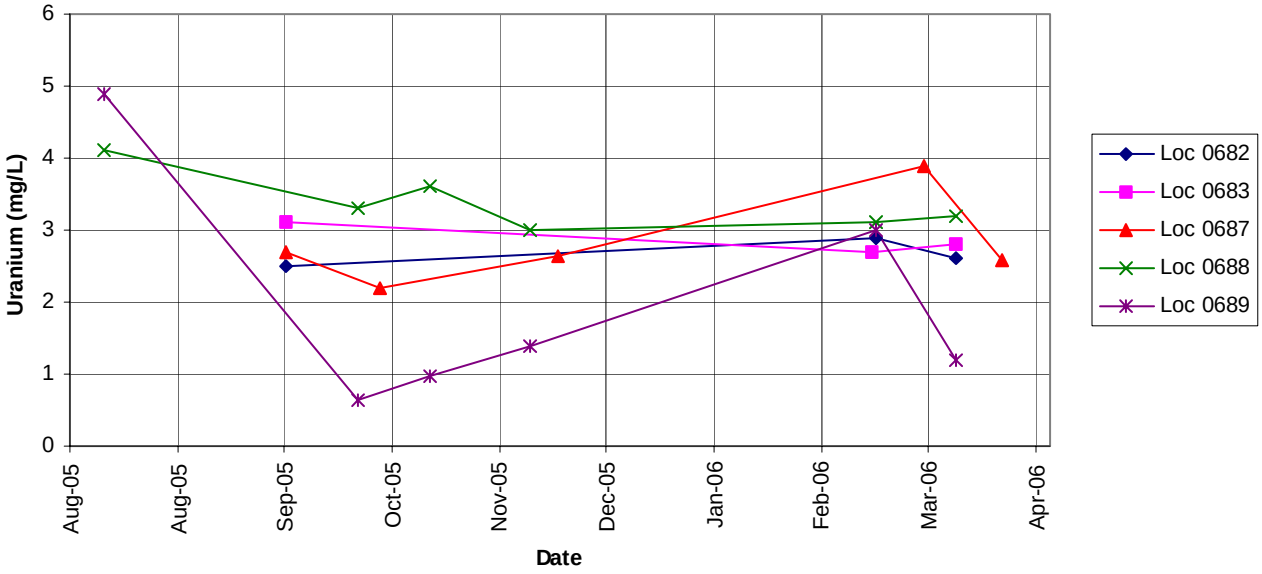
Moab Site
Configuration 3 Observation Wells
Sulfate



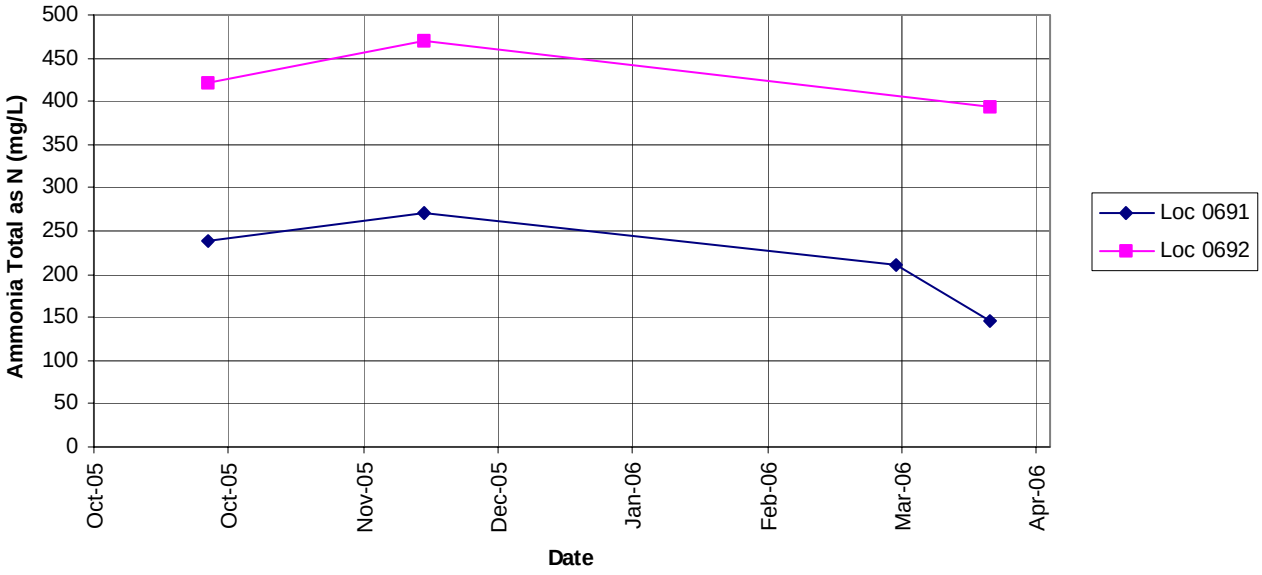
Moab Site
Configuration 3 Observation Wells
Total Dissolved Solids



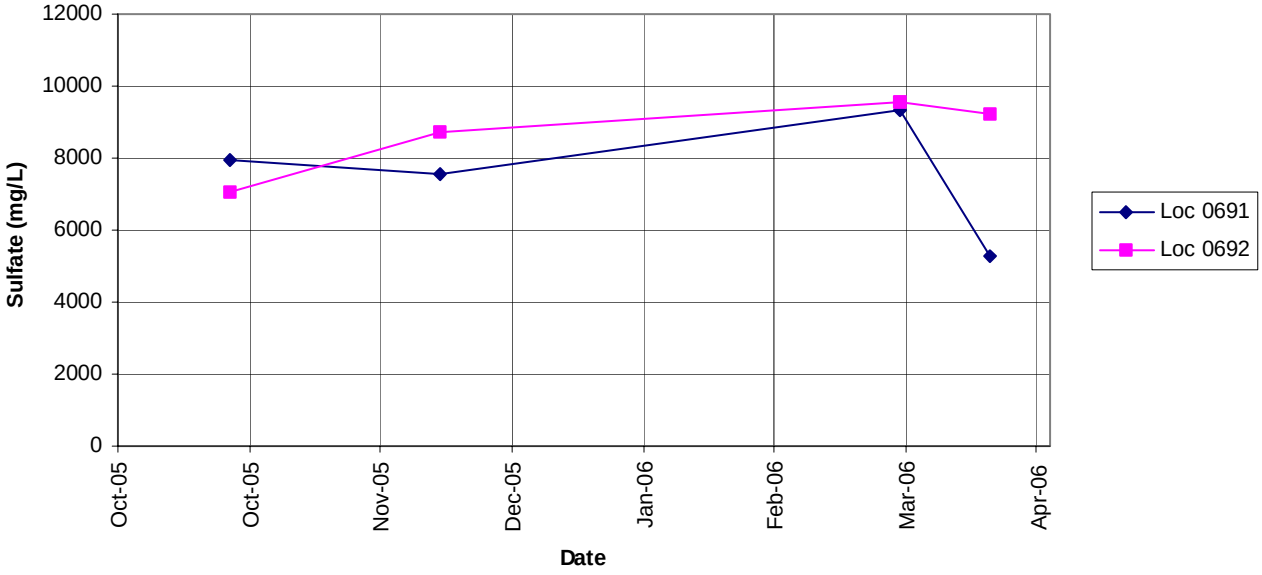
Moab Site
Configuration 3 Observation Wells
Uranium



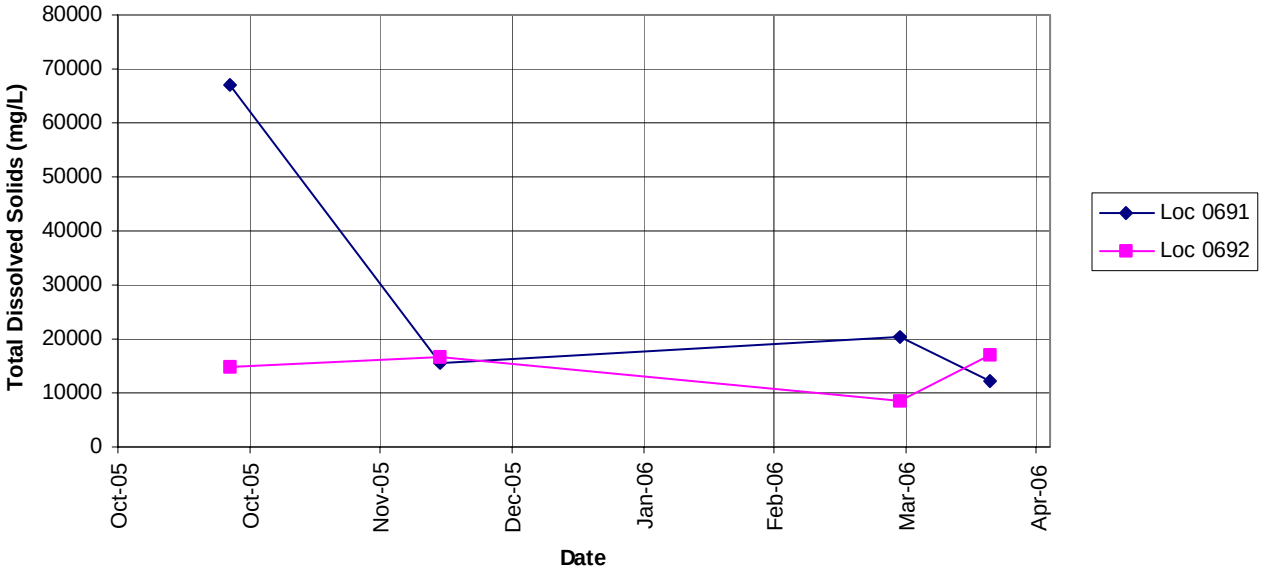
Moab Site
Configuration 3 Piezometers
Ammonia Total as N



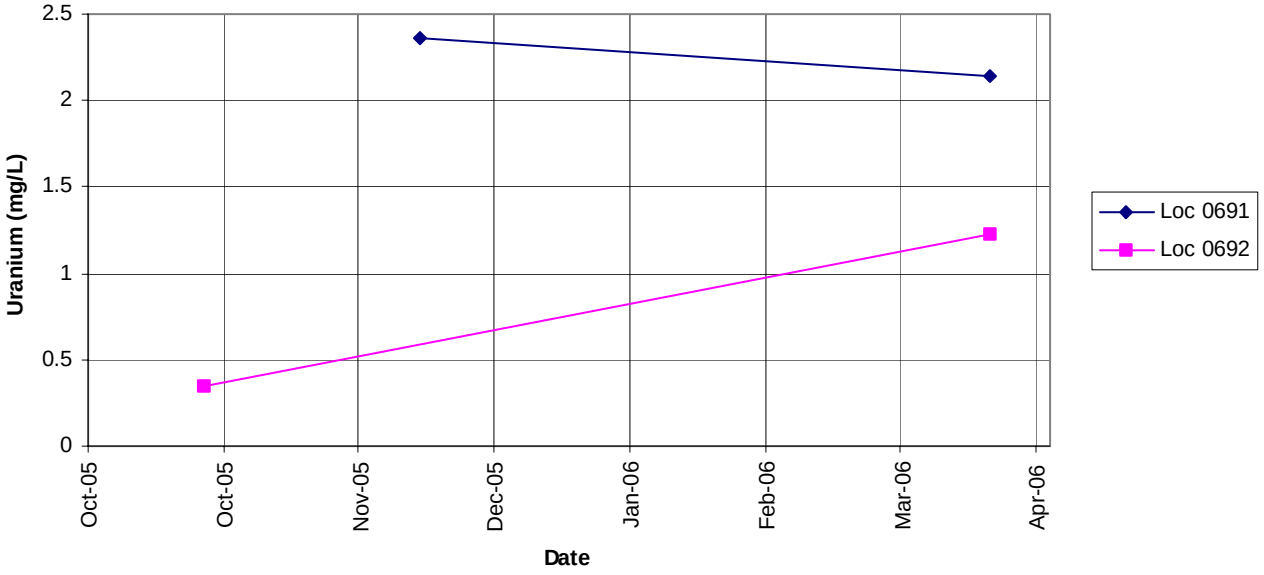
Moab Site
Configuration 3 Piezometers
Sulfate



Moab Site
Configuration 3 Piezometers
Total Dissolved Solids



Moab Site
Configuration 3 Piezometers
Uranium



Attachment 2

Trip Reports

Stoller

established 1959

DATE: June 22, 2006

TO: John Ford

FROM: E. M. Glowiak

SUBJECT: Trip Report

Site: Moab – Interim Action Baseline Well Field Monthly Sampling – April 2006

Date of Sampling Event: April 3–24, 2006.

Team Members: Elizabeth Glowiak, Steve Back, and Robert Hill

RIN Number Assigned: All samples were assigned to RIN 06030337

Number of Locations Sampled: Six observation wells (0488, 0493, SMI-PZ1S, SMI-PZ1M, SMI-PZ1D, SMI-PW01), one surface water location (0242), and one piezometer (0494) were sampled. Including one duplicate and one equipment blank, a total of 10 samples were collected.

Locations Not Sampled/Reason: Observation well 0405 and piezometers 0495 and 0597 were sampled the week of March 20, 2006, as part of the biogeochemical sampling event and were not included during this event. Surface water location 0241 was dry. Location 0243 was inaccessible due to high water. The intermediate piezometers (0496, 0497, 0598) and river edge piezometers were also inaccessible due to high water.

Field Variance: Limited sample volume was available for analysis from piezometer 0494. The samples were split and preserved as directed by the laboratory for proper analysis.

Quality Control Sample Cross Reference: Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2228	0493	Duplicate from 54 ft bgs	Ground Water	NFK 523
2233	NA	Equipment Blank – GW Equip	DI Water	NFK 529

Sample Shipment: All samples were shipped coolers overnight via FedEx to Paragon Analytics, Inc. from Moab, Utah, on April 6 and April 20, 2006 (Airbill Nos. 8527 5847 7863 and 8527 5847 9167).

Location Specific Information – Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc*)	Sample Depth (ft bgs)
0488	04/06/2006	10:35	14.23	39
0493	04/06/2006	11:05	13.75	54
SMI-PW01	04/06/2006	09:58	13.97	40
SMI-PZ1S	04/06/2006	08:00	14.88	18
SMI-PZ1M	04/06/2006	08:32	13.80	57
SMI-PZ1D	04/06/2006	09:20	14.59	73

*Below top of casing

Location Specific Information – Piezometer Sampling: The piezometer was initially purged April 17 and sampled on April 20, 2006. The table below presents the water level, stick up height, and depth to the river surface prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0494	04/17/2006	10:08	3.94	2.06	Dry at base

Limited sample volumes were collected from location 0494. Due to limited water volume, location 0494 was only sampled for TDS, anions, and NH_3-N.

Well Inspection Summary: A well inspection was not conducted.

Equipment Issues: No issues to report.

According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flow rates during the time period of this sampling event were:

Date	Daily Mean Flow (cfs)
04/06/2006	5,570
04/17/2006	11,200
04/20/2006	9,650

Well Inspection Summary: A well inspection was not conducted.

Equipment Issues: None.

Corrective Action Required/Taken: None.

Piezometer 0494

Surface Water Location 0242

(The intermediate baseline piezometers are in the background.)

cc: E. B. Baker, Stoller (e)
L. E. Cummins, Stoller (e)
S. E. Donivan, Stoller (e)
J. R. Ford, Stoller (e)
E. M. Glowiak, Stoller (e)
K. E. Karp, Stoller (e)
K. E. Miller, Stoller (e)
K. G. Pill, Stoller (e)
J. E. Price, Stoller (e)
Document Production (e)

Stoller

established 1959

DATE: June 22, 2006

TO: John Ford

FROM: E. M. Glowiak

SUBJECT: Trip Report

Site: Moab – Interim Action Configuration 1 Well Field Monthly Sampling – April 2006

Date of Sampling Event: April 3–24, 2006.

Team Members: Elizabeth Glowiak, Steve Back, and Robert Hill

RIN Number Assigned: All samples were assigned to RIN 06030337.

Number of Locations Sampled: Ten Configuration 1 extraction wells (0470 through 0479), ten observation wells (0480, 0481, 0482, 0484, 0485, 0557, 0558, 0560, 0561, 0596), one surface water location (0216), and two treatment system locations (0547 and 0548) were sampled. Including one duplicate and one equipment blank, a total of 25 samples were collected.

Locations Not Sampled/Reason: Observation wells 0483, 0559, 0403, and 0407 and piezometers 0563, 0606, 0565, and 0607 were sampled the week of April 17, 2006, as part of the biogeochemical study sampling event. Due to the short time frame between this sampling event and the biogeochemical sampling event, these locations were not sampled. Extraction well SMI-PW02 was not sampled because the submersible pump was not running during the sampling event. Surface water location 0245 was not sampled because of high river levels.

Field Variance: None.

Quality Control Sample Cross Reference: Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2235	0484	Duplicate from 28 feet (ft) bgs	Ground Water	NFK 501
2227	NA	Equipment Blank – GW Equip	DI Water	NFK 528

Sample Shipment: All samples were shipped in a cooler overnight FedEx to Paragon Analytics, Inc. from Moab, Utah, on April 5, 6, and 20, 2006 (Airbill Nos. 8527 5847 8745, 8527 5847 7863, and 8527 5847 9167).

Location Specific Information – Configuration 1 Extraction Wells: Extraction wells were sampled using dedicated submersible pumps.

Well No.	Date	Time	Water Level (ft btoc)	Pump Intake (ft bgs)
0470	04/03/2006	09:25	13.96	18
0471	04/03/2006	09:35	14.38	18
0472	04/03/2006	10:10	14.38	18
0473	04/03/2006	10:28	14.96	18
0474	04/03/2006	10:35	13.54	18
0475	04/03/2006	10:45	15.38	18
0476	04/03/2006	10:55	16.38	18
0477	04/03/2006	11:05	14.73	18
0478	04/03/2006	11:15	16.75	23
0479	04/03/2006	11:20	13.65	23

Location Specific Information – Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0480	04/04/2006	14:05	16.85	18
0481	04/04/2006	14:37	15.97	28
0482	04/04/2006	15:45	16.56	58
0485	04/04/2006	13:30	16.13	58
0558	04/04/2006	11:25	16.29	36
0484	04/04/2006	10:50	16.67	28
0560	04/04/2006	08:35	15.90	31
0561	04/04/2006	09:47	16.29	50
0557	04/04/2006	15:10	15.49	40
0596	04/03/2006	16:20	16.40	24

Location Specific Information – Piezometer Sampling: The Configuration 1 piezometers were not sampled during the April monthly sampling event because the river levels were too high, and the piezometers were inaccessible.

Location Specific Information – Surface Water Sampling: The sample for location 0216 was collected approximately 28 ft upstream due to high water.

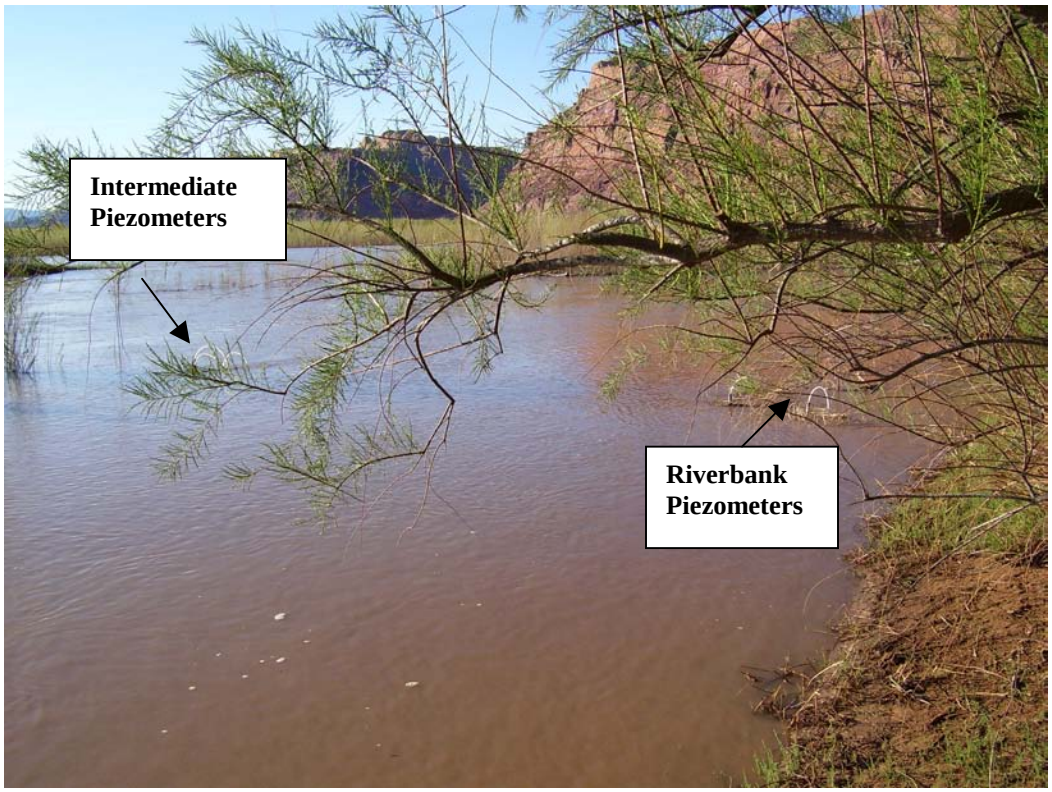
Location Specific Information – Treatment System Sampling: Locations 0547 and 0548 were sampled when the evaporation pond level was 5.6 ft. The sample for location 0548 was collected off the pond discharge line. Location 0547 was collected from the pond inlet. Both of these locations were sampled on April 6, 2006.

According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flow rates during this sampling event are provided below:

Date	Daily Mean Flow (cfs)
04/03/2006	4,490
04/04/2006	4,430
04/06/2006	5,570

Surface Water Location 0216

(The riverbank piezometers are located approximately 30 ft downriver of this location.)



Configuration 1 Piezometers

Stoller

established 1959

DATE: June 22, 2006

TO: John Ford

FROM: E. M. Glowiak

SUBJECT: Trip Report

Site: Moab – Interim Action Configuration 2 Well Field Monthly Sampling – April 2006

Date of Sampling Event: April 3–24, 2006

Team Members: Elizabeth Glowiak, Steve Back, and Robert Hill

RIN Number Assigned: All samples were assigned to RIN 06030337

Number of Locations Sampled: Six of the Configuration 2 extraction wells (0571, 0573, 0575, 0576, 0577, and 0579) were sampled.

Locations in Which Field Parameters Were Measured Only: Parameters were collected on fifteen Configuration 2 observation wells (0401, 0402, 0408, 0580, 0581, 0582, 0583, 0584, 0585, 0586, 0587, 0588, 0589, 0600, 0601).

Locations Not Sampled/Reason: None of the Configuration 2 piezometers or water locations were on the sample agenda for the month of April.

Field Variance: None.

Quality Control Sample Cross Reference: No quality control samples were collected from Configuration 2. A sufficient number of quality control samples were collected from Configuration 1 and Configuration 3 for the monthly sampling event.

Sample Shipment: The samples were shipped in one cooler overnight FedEx to Paragon Analytics, Inc. from Moab, Utah, on April 25, 2006 (Airbill No.8527 5847 9134).

Location Specific Information – Configuration 2 Observation Wells: Parameters (only) were collected using micro-purge techniques with a peristaltic pump and downhole tubing. Parameter depths and water levels for each observation well are listed below.

Well No.	Date	Time	Sample Depth (ft bgs)	Depth to Water (ft btoc)	Field Parameters					
					Temp (°C)	Spec Cond (µS/cm)	D.O. (mg/L)	pH	ORP	Turb. (NTUs)
0401	4/20/2006	15:48	18	15.09	13.65	17,940	1.63	6.71	205	3.57
0402	4/24/2006	08:48	17	14.36	12.56	3,677	3.42	7.09	114	0.90
0408	4/20/2006	15:27	26	14.72	15.99	1,860	2.10	6.71	206	9.25
0580	4/20/2006	08:15	18	15.19	11.97	3,192	2.89	7.12	211	4.90
0581	4/20/2006	08:49	18	14.74	13.48	8,473	3.16	7.06	219	47.9
0582	4/20/2006	09:15	18	15.13	12.08	4,173	3.43	6.93	206	2.60
0583	4/24/2006	08:23	18	15.23	14.57	16,070	2.88	6.90	253	4.60
0584	4/20/2006	10:19	18	14.57	14.44	15,520	2.86	6.84	226	12.1
0585	4/20/2006	14:54	18	14.71	15.21	3,030	1.57	6.82	187	2.83
0586	4/20/2006	16:05	18	14.63	16.49	11,170	2.03	6.60	201	9.33
0587	4/20/2006	11:38	18	14.33	14.93	4,760	3.29	7.11	128	2.33
0588	4/20/2006	11:10	34	14.53	15.14	54,210	3.68	6.95	130	1.23
0589	4/20/2006	10:45	52	14.15	15.87	103,900	1.75	6.68	104.7	577[a]
0600	4/20/2006	09:58	27	14.50	15.14	25,110	2.16	6.91	228	2.53
0601	4/20/2006	15:12	27	14.26	16.19	19,440	1.63	6.73	207	8.28

[a] – Turbidity increased toward the 1.5 liter measurement; very cloudy water.

Location Specific Information – **Piezometer Sampling**: None of the Configuration 2 piezometers were sampled in the April sampling event.

According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flow rates during this sampling event are provided below:

Date	Daily Mean Flow (cfs)
04/20/2006	9,650
04/24/2006	10,700

Stoller

established 1959

DATE: June 22, 2006

TO: John Ford

FROM: E. M. Glowiak

SUBJECT: Trip Report

Site: Moab – Interim Action Configuration 3 Well Field Monthly Sampling – April 2006

Date of Sampling Event: April 3–24, 2006

Team Members: Elizabeth Glowiak, Steve Back, and Robert Hill

RIN Number Assigned: All samples were assigned to RIN 06030337

Number of Locations Sampled: Ten extraction wells (0670 through 0679), five observation wells (0404, 0682, 0683, and 0688 at 31 and 39 feet [ft]; and 0689 at 46 and 54 ft), and one surface water location (0258) were sampled. Including one equipment blank and two duplicates, a total of 19 samples were collected.

Locations in Which Field Parameters Were Measured Only: None

Locations Not Sampled/Reason: Observation wells 0686 and 0687 were sampled as part of the biogeochemical sampling during the week of April 17, 2006. Due to the short time frame between this sampling event and the biogeochemical sampling event, these locations were not sampled. Surface water location 0257 was dry and location 0259 was inaccessible due to high water. Piezometer location 0690 was dry and piezometers 0693, 0696, 0697, and 0698 were also inaccessible due to high river levels.

Field Variance: None

Quality Control Sample Cross Reference: Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2242	0683	Duplicate from 27 ft bgs	Ground Water	NFK 515
2241	0674	Duplicate from 40 ft bgs	Ground Water	NFK 491
2241	NA	Equipment Blank	DI Water	NFK 516

Sample Shipment: The samples were shipped coolers overnight FedEx to Paragon Analytics, Inc. from Moab, Utah, on April 5, April 6, and April 20, 2006 (Airbill Nos. 8527 5847 8300, 8527 5847 8333, and 8527 5847 8756).

Location Specific Information – Configuration 3 Extraction Wells: All extraction wells were sampled using dedicated pumps.

Well No.	Date	Time	Depth to Water (ft btoc)	Pump Intake (ft bgs)
0670	04/03/2006	13:45	16.36	40
0671	04/03/2006	13:50	16.45	40
0672	04/03/2006	14:00	16.71	40
0673	04/03/2006	14:05	16.55	40
0674	04/03/2006	14:25	16.49	40
0675	04/03/2006	14:40	16.46	40
0676	04/03/2006	14:48	16.27	40
0677	04/03/2006	15:08	16.22	40
0678	04/03/2006	15:23	16.21	40
0679	04/03/2006	15:38	16.11	40

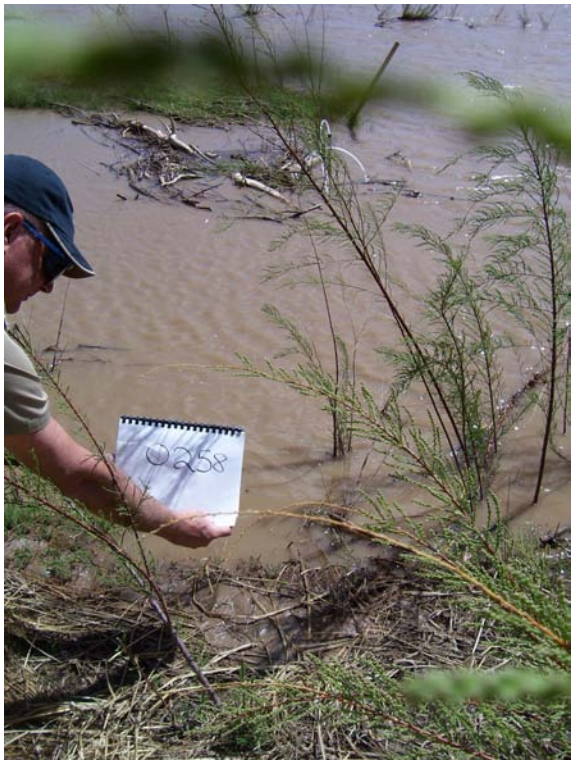
Location Specific Information – Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0404	04/05/2006	10:50	14.83	18
0682	04/05/2006	11:30	16.69	28
0683	04/05/2006	12:00	16.94	27
0688	04/04/2006	08:00	15.18	31 and 39
0689	04/05/2006	09:20	15.10	46 and 54

Location Specific Information – Piezometer Sampling: The intermediate piezometer (0693) and the river edge piezometers (0696, 0697, 0689) were inaccessible due to high water levels. Piezometer 0690 was dry, and therefore not sampled.

According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flow rates during this sampling event are provided below:

Date	Daily Mean Flow (cfs)
04/03/2006	4,490
04/04/2006	4,430
04/05/2006	4,580



Surface Water Location 0258

Configuration 3 Intermediate Piezometers

Stoller

established 1959

DATE: June 21, 2006

TO: John Ford

FROM: E.M. Glowiak

SUBJECT: Trip Report

Site: Moab – Interim Action Well Field Biogeochemical Sampling – April 2006

Date of Sampling Event: April 17–20, 2006

Team Members: Emile Bettez, Elizabeth Glowiak, and Robert Hill.

RIN Numbers Assigned: The samples shipped to Severn Trent were assigned to RIN 06040342. The samples shipped to Microseeps were assigned to RIN 06040343.

Sampling Event Background: This biogeochemical sampling was designed to relatively measure microorganism populations in an area where the shallow aquifer intersects the riverbed of the Moab Site, and evaluate the attenuation of contaminant concentrations in ground water and the river because of biologically mediated reactions. Specific locations from Configuration 1, Configuration 3, and Baseline were sampled.

Number of Locations Sampled: Four observation wells (0403, 0407, 0483, 0559) were sampled from Configuration 1. Two observation wells (0686, 0687) and two piezometers (0691, 0692) were sampled from Configuration 3. Two observation wells (0405, 0488) and two piezometers (0495, 0597) were sampled from Baseline. One equipment blank and one duplicate were collected during the April biogeochemical sampling event.

Locations Not Sampled/Reason: The Configuration 1 piezometers (0563, 0565, 0606, 0607) and the Configuration 3 piezometers (0694 and 0695) were inaccessible due to high river levels.

Field Variance: Limited volume samples were collected from the piezometers. These samples were split and preserved as directed by the laboratory for proper analysis.

Sample Analysis: Submitted samples were analyzed by Severn Trent Laboratories, Microseeps, Inc., and the Grand Junction Office Environmental Sciences Laboratory (ESL) for the following analytes:

Analyte	Laboratory	Priority
Nitrate / Nitrite as N	Severn Trent	High
Ferrous Iron / Divalent Manganese	Microseeps	
Carbon Dioxide / Methane / Nitrogen / Oxygen	Microseeps	
Bromide / Chloride / Sulfate	Severn Trent	
Nitrifying Bacteria	ESL	
Biological Oxygen Demand	ESL	
Total Dissolved Solids	Severn Trent	
Total Iron	ESL	
Nitrite (as N)	ESL	
Sulfide	ESL	
Orthophosphate	ESL	
Ammonia (as N)	Severn Trent	
Dissolved Organic Carbon / Total Inorganic Carbon	Severn Trent	
Iron / Manganese / Selenium / Uranium	Severn Trent	
Total Organic Carbon	Severn Trent	
Chemical Oxygen Demand / Total Phosphorus / Total Kjeldahl Nitrogen	Severn Trent	Low

The analytes are listed from high to low priority for locations in which sufficient sample volume was not available (i.e., riverbed piezometers) for complete analyses.

Quality Control Sample Cross Reference: Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2246 and 2243	0686	Duplicate from 18 ft bgs	Ground Water	NFK 563 and NFK 564
2244 and 2247	NA	Equipment Blank – GW Equip	DI Water	NFK 565 and NFK 566

Sample Shipment: The coolers were sent overnight via FedEx (to Microseeps, Inc. and Severn Trent Laboratories) from Moab, Utah, on April 20, 2006 (Airbill Nos. 8531 4926 8490 (Microseeps) 8531 4926 8527 (Severn Trent)).

Location Specific Information – Configuration 1 Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0403	04/19/2006	09:13	14.75	18
0407	04/19/2006	10:12	14.74	17
0483	04/18/2006	15:20	15.20	18
0559	04/19/2006	08:20	15.45	19

Location Specific Information – Configuration 3 Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0686	04/18/2006	13:46	14.05	18
0687	04/18/2006	10:47	14.49	28

Location Specific Information – Configuration 3 Piezometer Sampling: All piezometers were purged on April 17 and sampled on April 18, 2006. The table below presents the water level, stick up height, and depth to the river surface for the piezometers prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0691	04/17/2006	11:40	4.23	2.30	Dry at base
0692	04/17/2006	11:50	5.02	2.15	Dry at base

Location Specific Information – Baseline Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0405	04/18/2006	09:41	13.08	18
0488	04/18/2006	08:06	13.02	26

Location Specific Information – Baseline Piezometer Sampling: Both piezometers were purged on April 17, and sampled on April 18, 2006. The table below presents the water level, stick up height, and depth to the river surface for the piezometers prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0495	04/17/2006	10:30	2.39	0.40	Dry at base
0597	04/17/2006	10:17	4.46	2.18	Dry at base

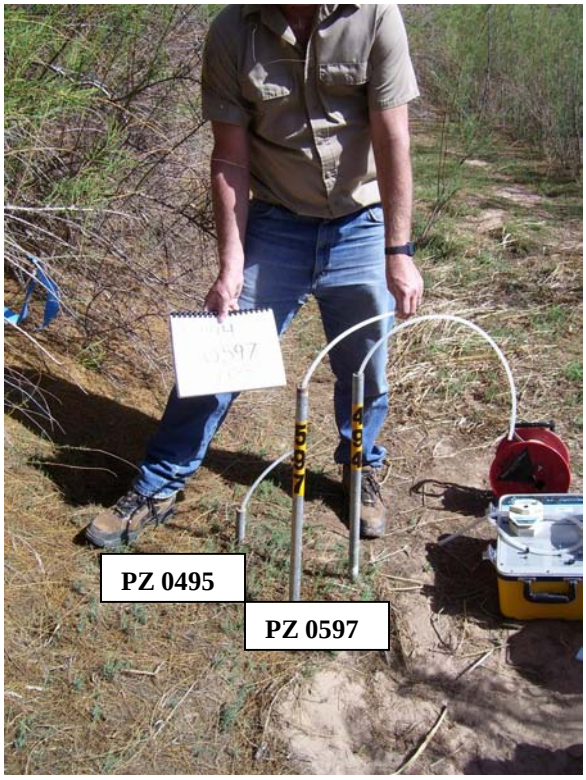
Limited sample volume was available for analysis from each location. These samples were analyzed for highest priority analytes, and split and preserved as directed by the laboratory for proper analysis.

Well Inspection Summary: A well inspection was not conducted.

Equipment Issues: None.

Site Issues: According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flows during this sampling event are provided below:

Date	Daily Mean Flow (cfs)
04/17/2006	11,200
04/18/2006	10,800
04/19/2006	10,900



Piezometers 0495 and 0597

Piezometers 0691 and 0692

cc: E. B. Baker, Stoller (e)
L. E. Cummins, Stoller (e)
S. E. Donivan, Stoller (e)
J. R. Ford, Stoller (e)
E. M. Glowiak, Stoller (e)
K. E. Karp, Stoller (e)
K. E. Miller, Stoller (e)
K. G. Pill, Stoller (e)
J. E. Price, Stoller (e)
Document Production (e)